NAD®

T 752

A/V Surround Sound Receiver

SERVICE MANUAL

ADDENDUM

ISSUE DATE: 18 MAY 2005

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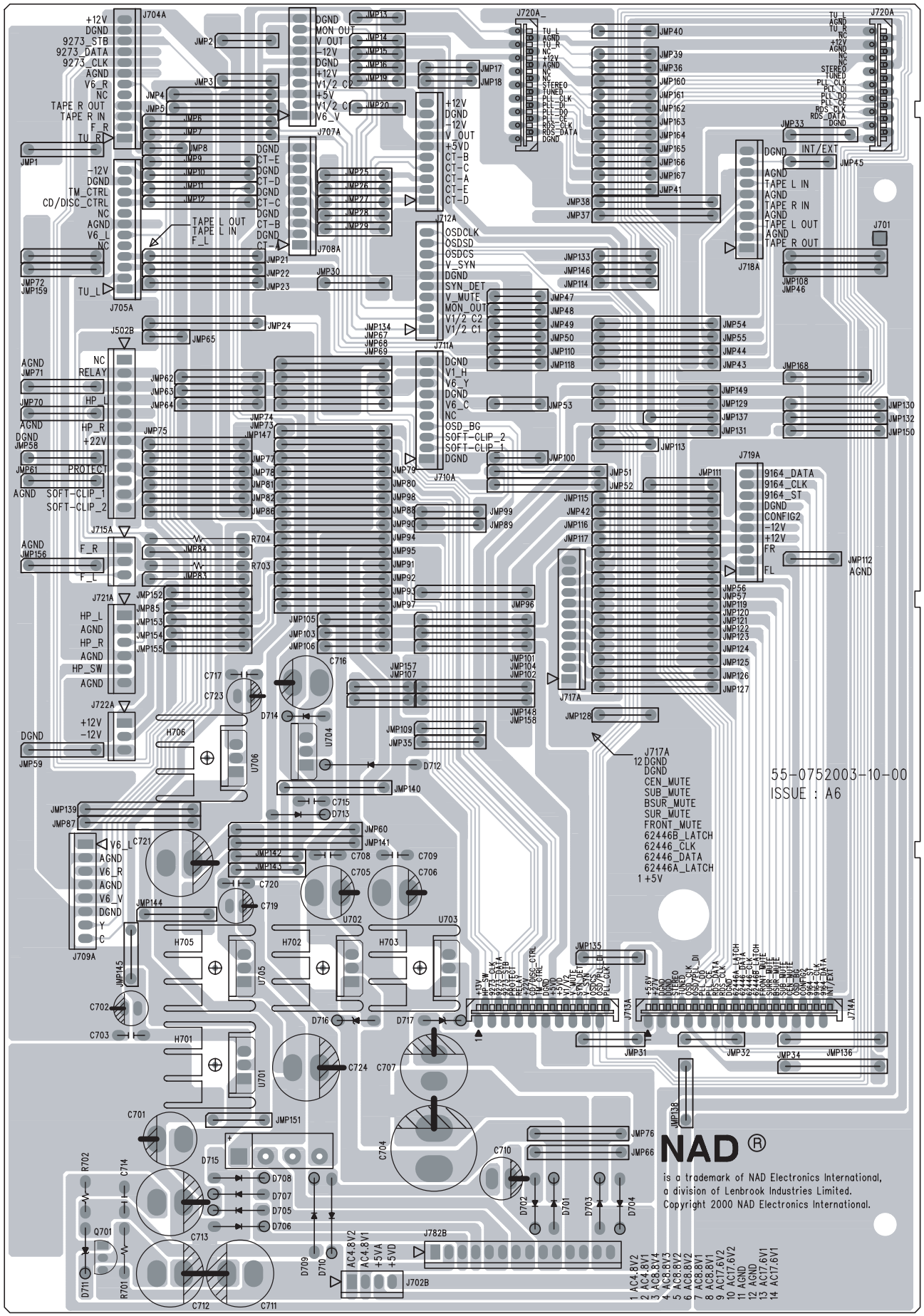
NOTE PART NUMBER CHANGE:

Original P/N	Interim P/N	Final P/N with Description
80-0907520-02-00	800-KEBD52-00	50-922-0752-90 - T752 KEYBOARD ASSEMBLY
80-0907520-63-00	800-POBD52-00	50-924-0752-90 - T752 PRE-OUT BOARD ASSEMBLY

VERSION HISTORY
MAIN BOARD

ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	MAIN BOARD : 55-0752003-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	MAIN BOARD : 55-0752003-10-00 A7	• Add +5.6V to Pre-Out	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	MAIN BOARD : 55-0752003-10-00 A8	• Add Connector option for DSP	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	MAIN BOARD : 55-0752003-10-01	• No layout change	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

PCB LAYOUT
MAIN BOARD (ISSUE 6)


55-0752003-10-00
ISSUE : A6
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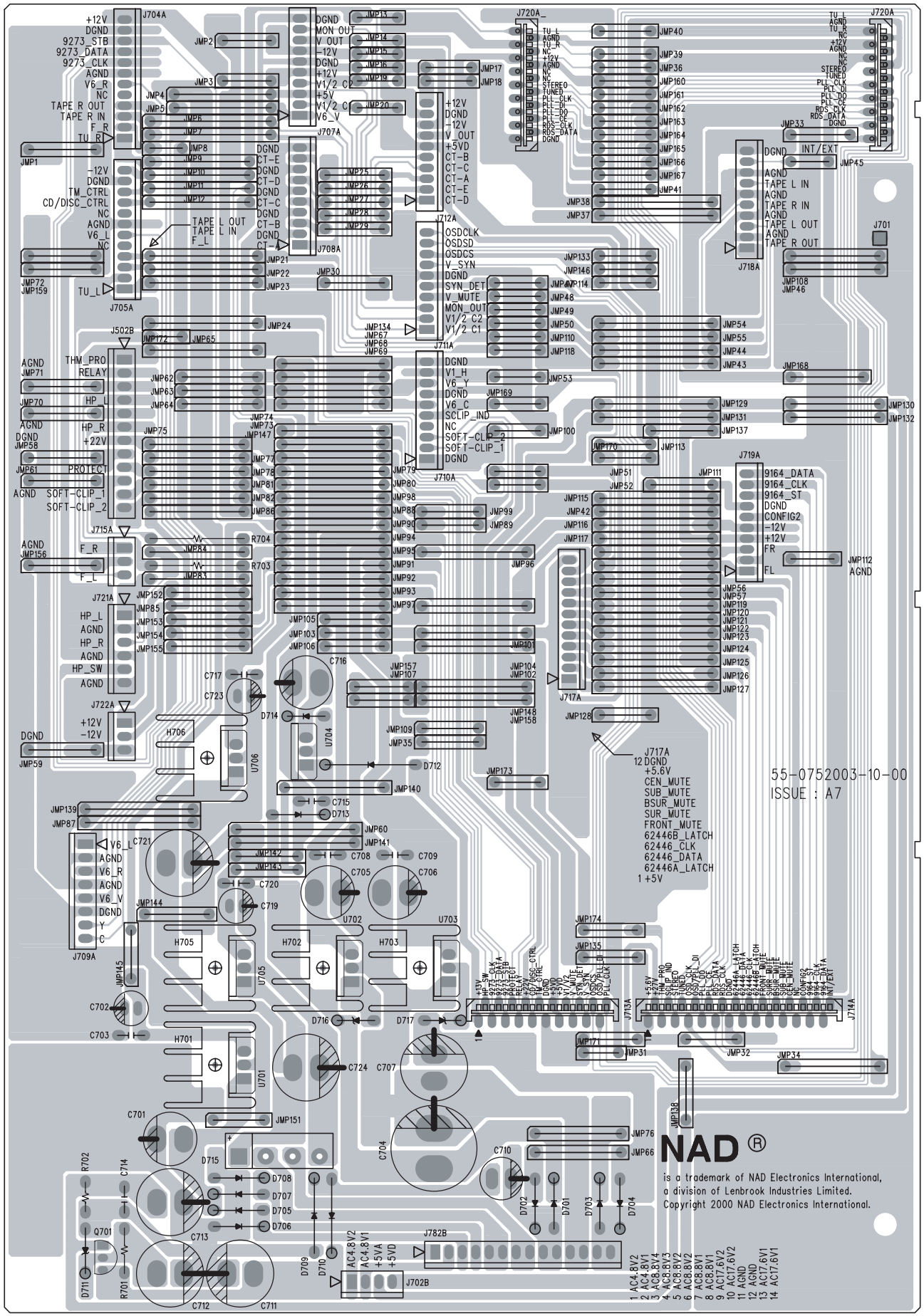
PCB LAYOUT
MAIN BOARD (ISSUE 7)


55-0752003-10-00
ISSUE : A7
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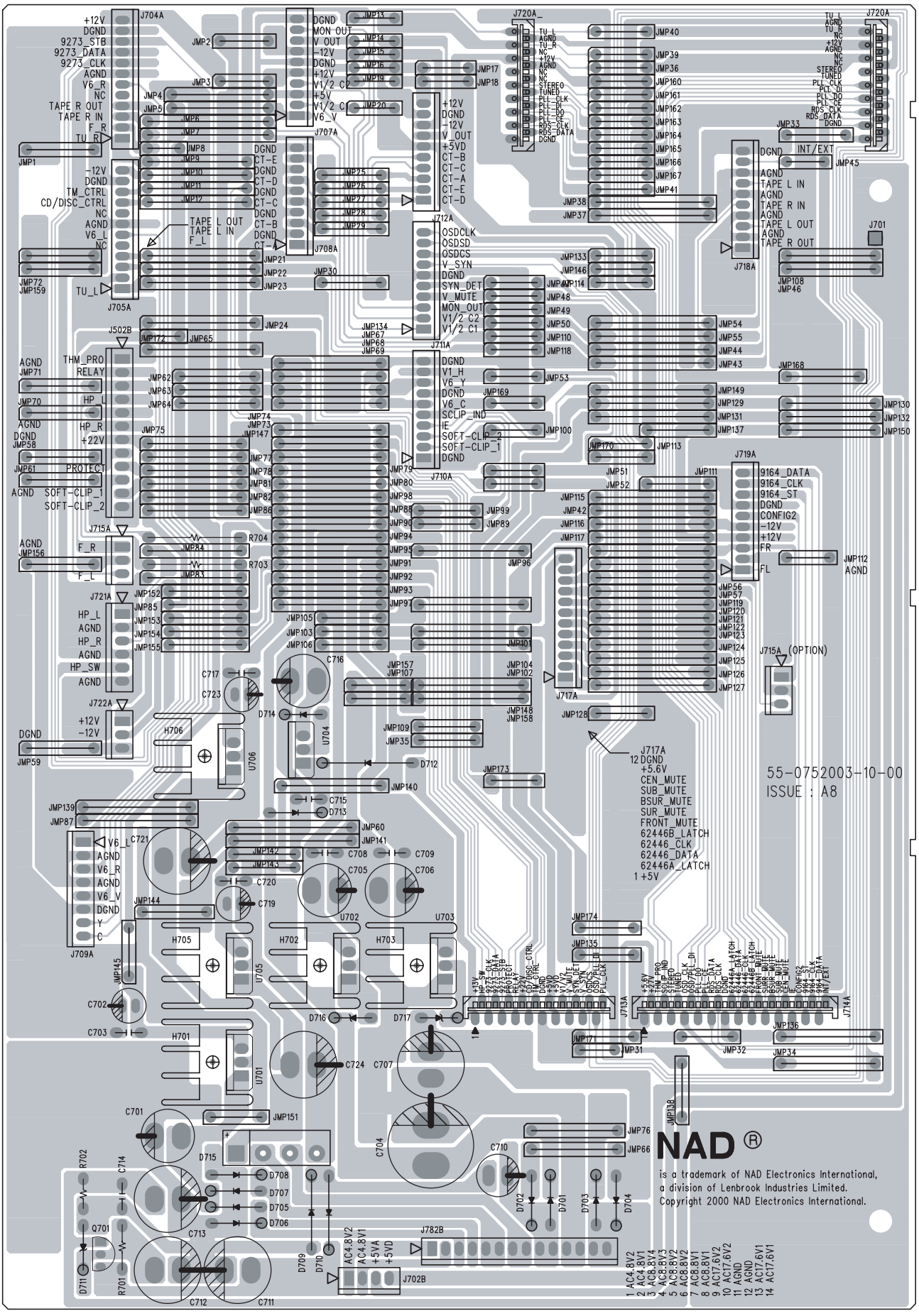
PCB LAYOUT
MAIN BOARD (ISSUE 8)


55-0752003-10-00
ISSUE : A8
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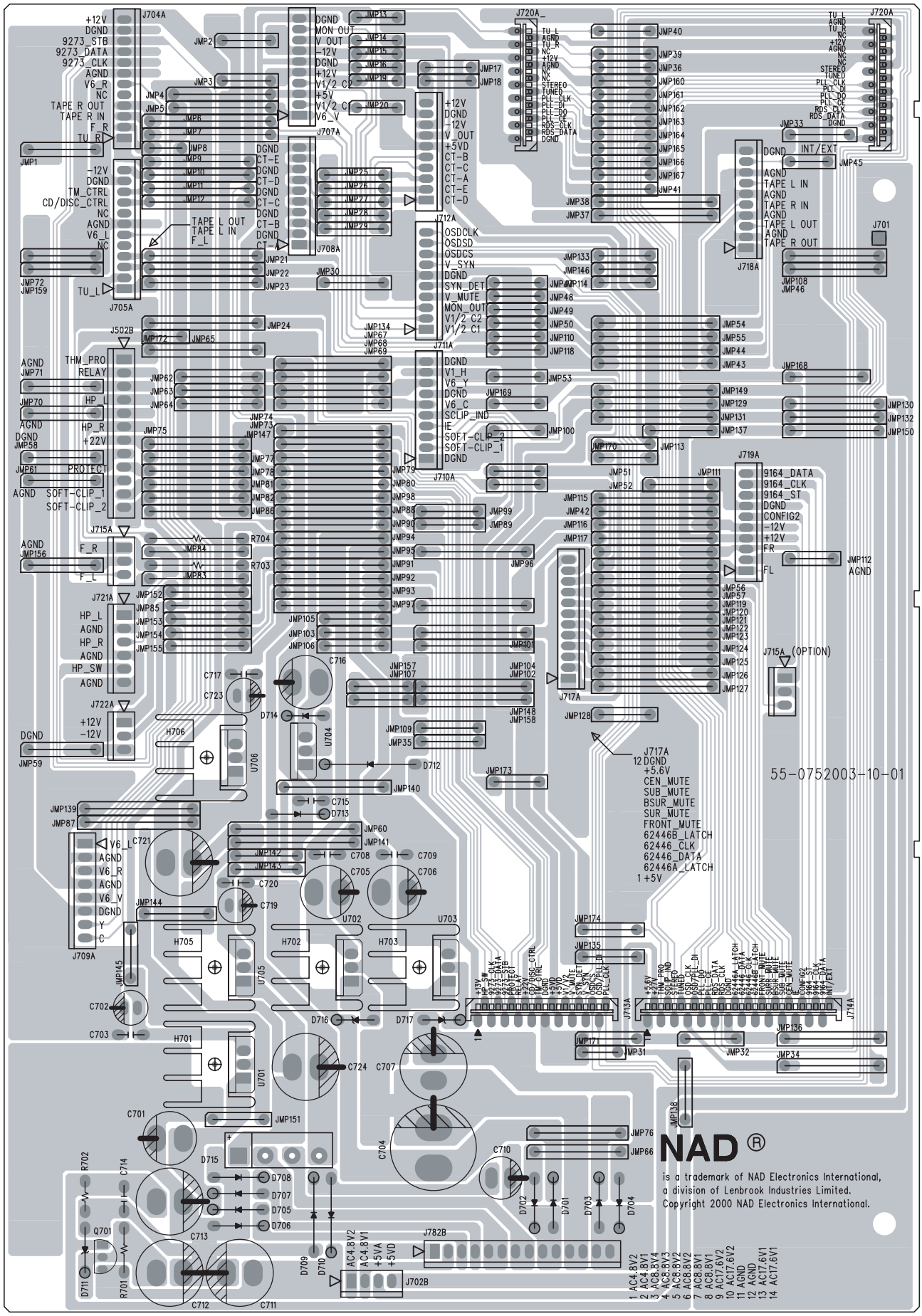
PCB LAYOUT
MAIN BOARD (PN-01)


55-0752003-10-01
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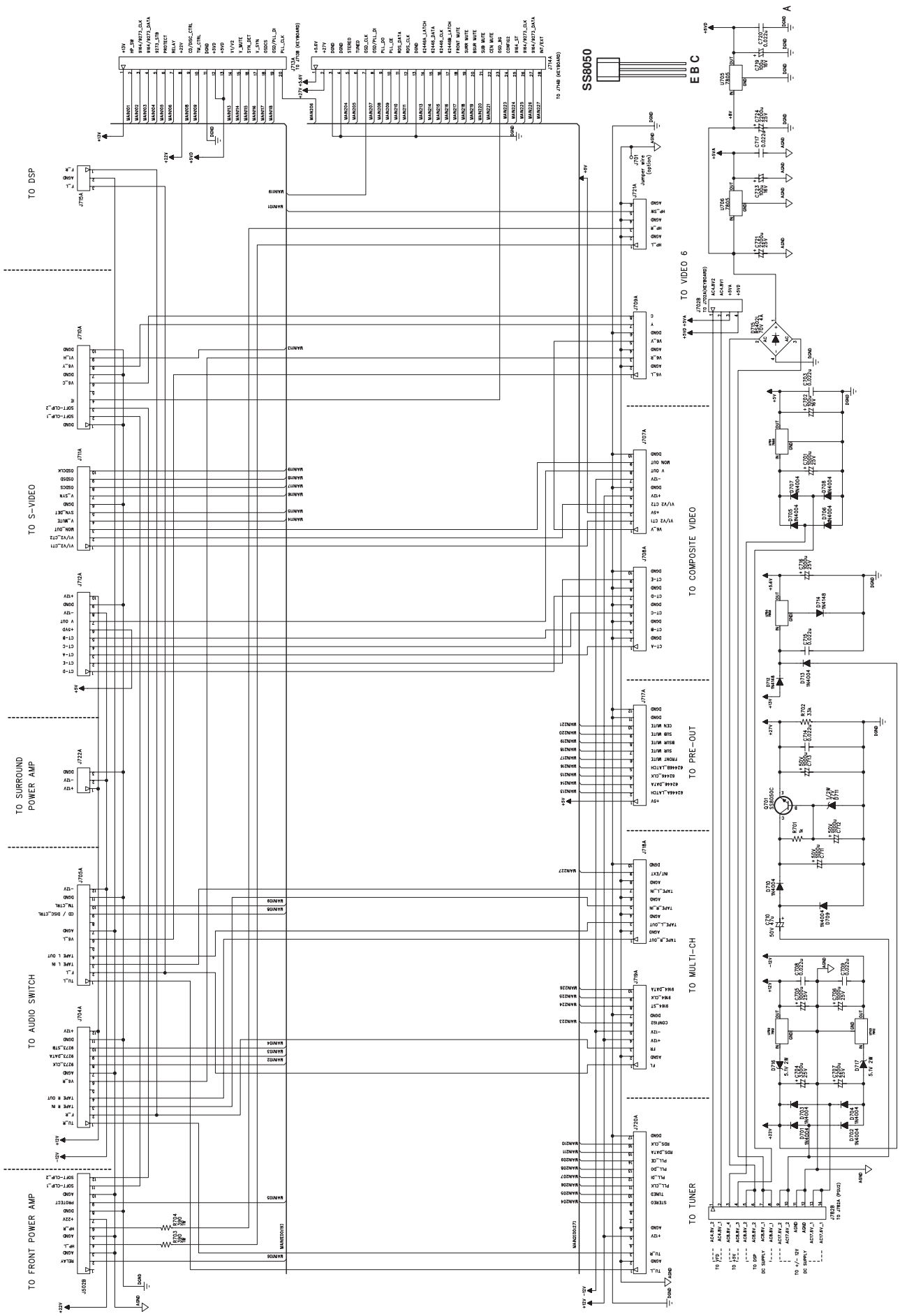
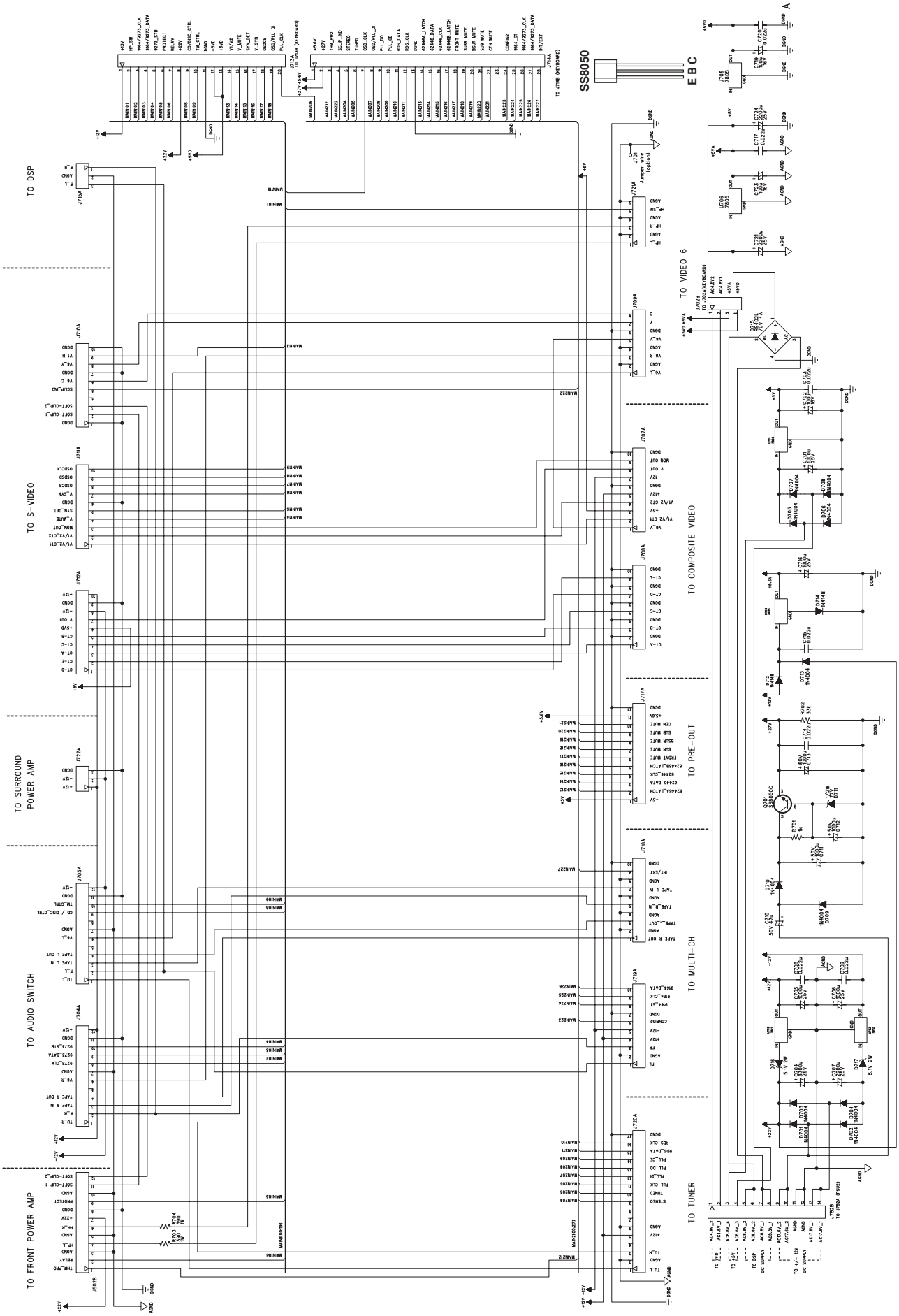
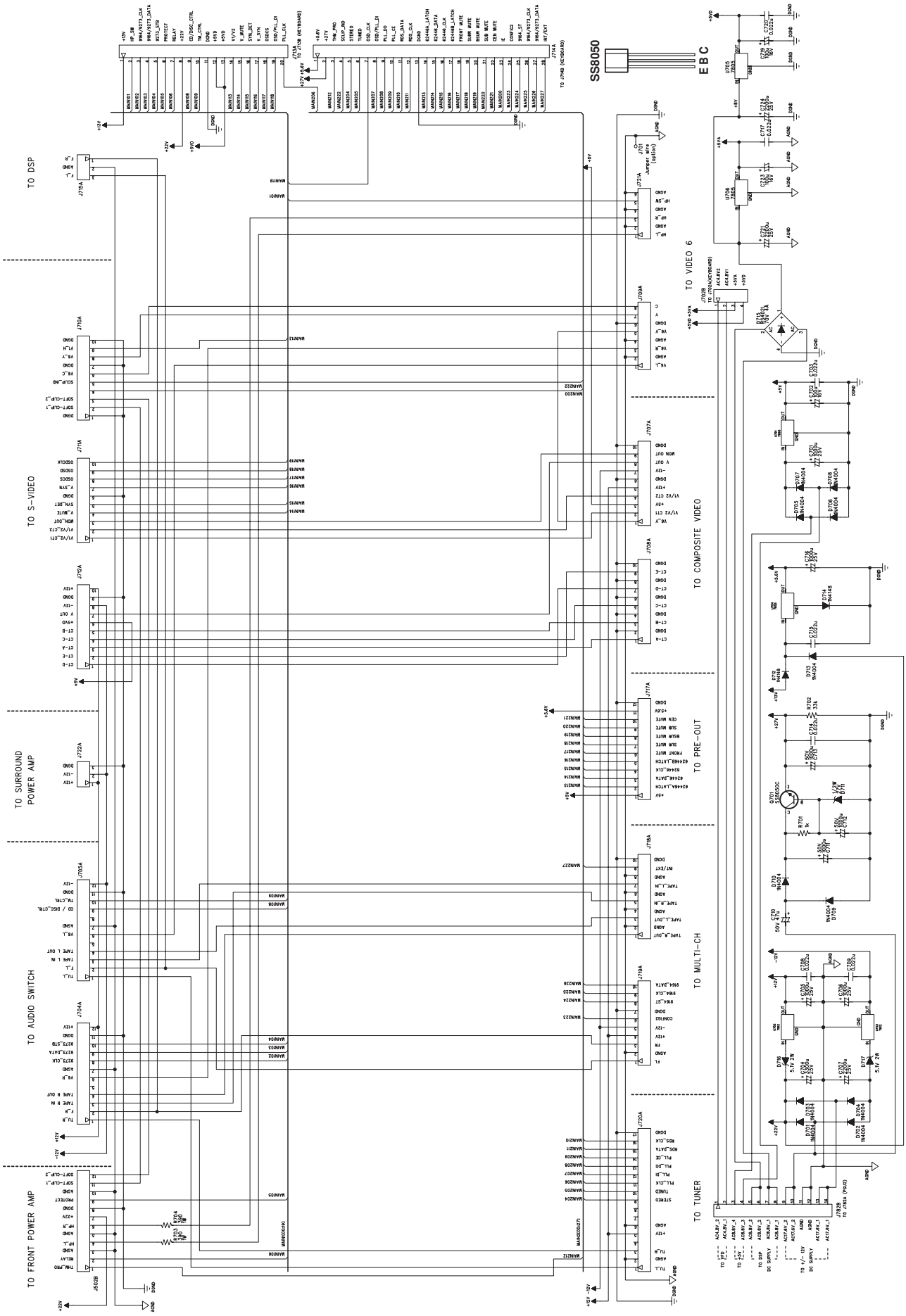
SCHEMATIC DIAGRAM
MAIN BOARD (ISSUE 6)



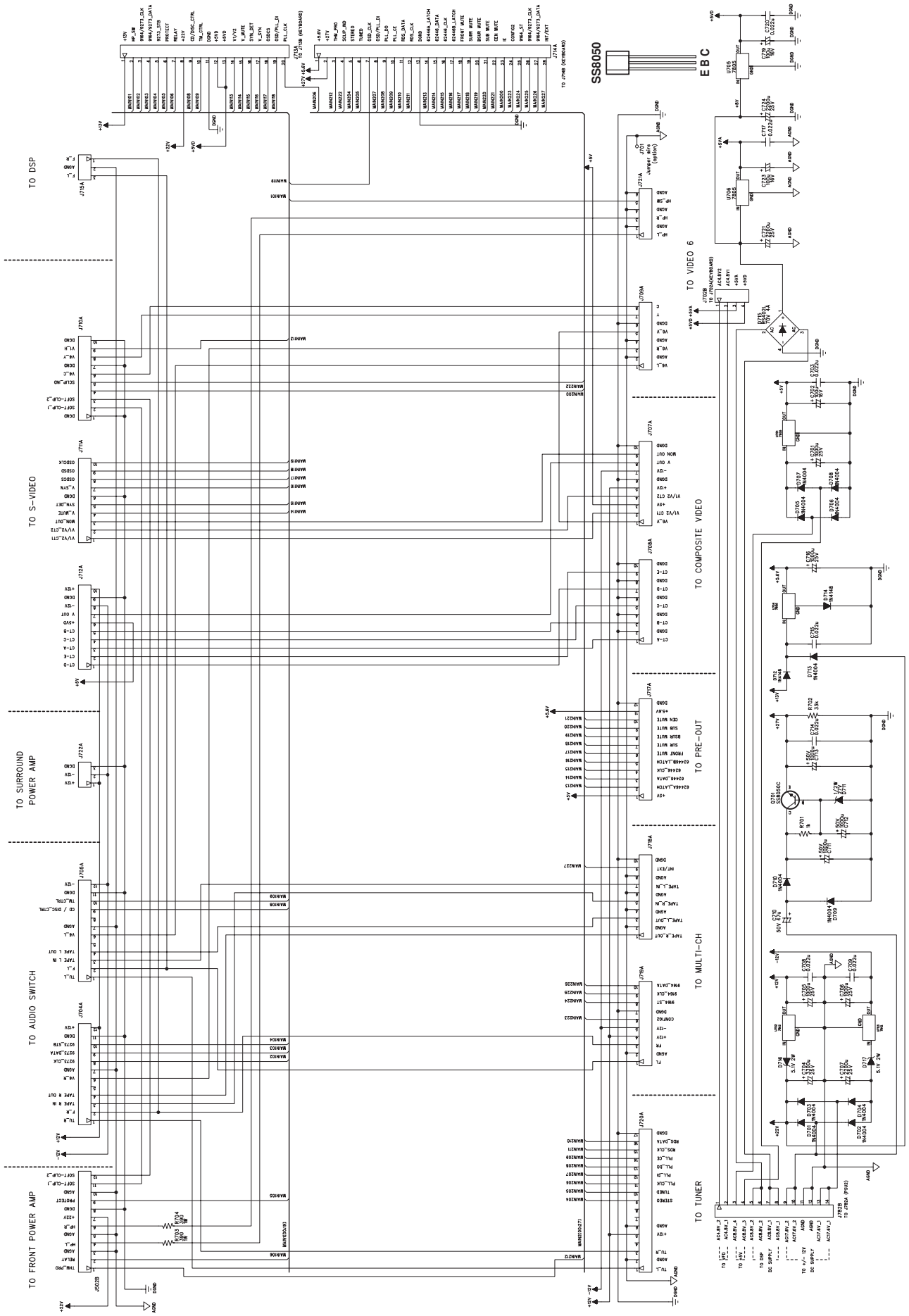
SCHEMATIC DIAGRAM
MAIN BOARD (ISSUE 7)



SCHEMATIC DIAGRAM
MAIN BOARD (ISSUE 8)



SCHEMATIC DIAGRAM
MAIN BOARD (PN-01)

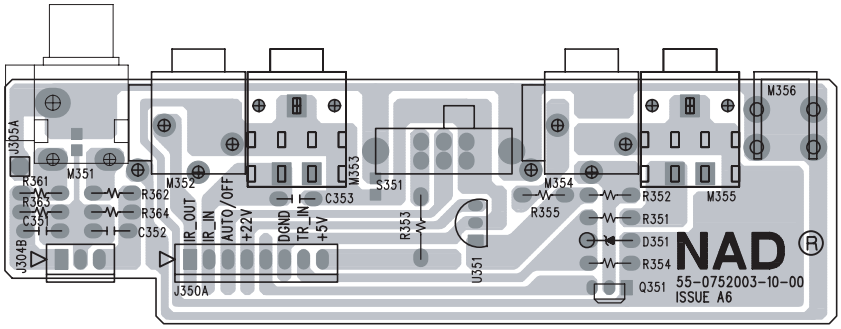


VERSION HISTORY
TRIGGER BOARD

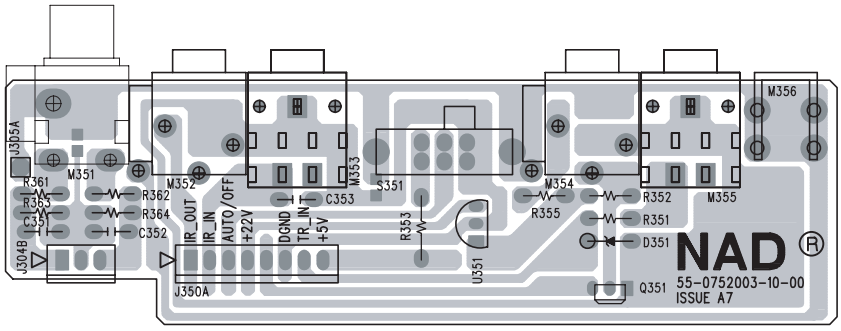
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	TRIGGER BOARD : 55-0752003-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	TRIGGER BOARD : 55-0752003-10-00 A7	• Delete R354 (Trigger in)	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	TRIGGER BOARD : 55-0752003-10-00 A8	• Circuit update (IR OUT) • Add Resistor to GND (Trigger IN/OUT)	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	TRIGGER BOARD : 55-0752003-10-01	• Delete C353 (IR IN)	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

PCB LAYOUT

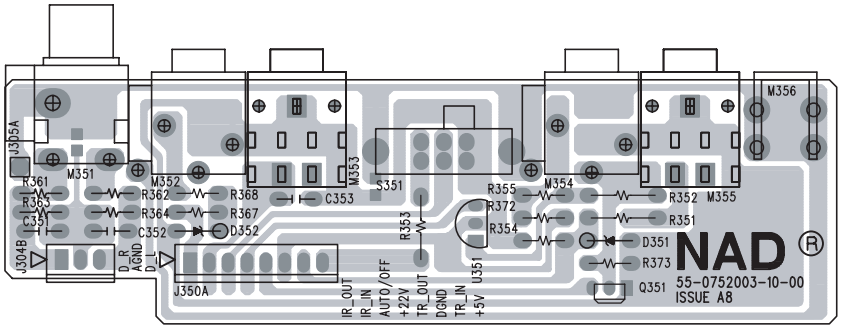
TRIGGER BOARD (ISSUE 6)



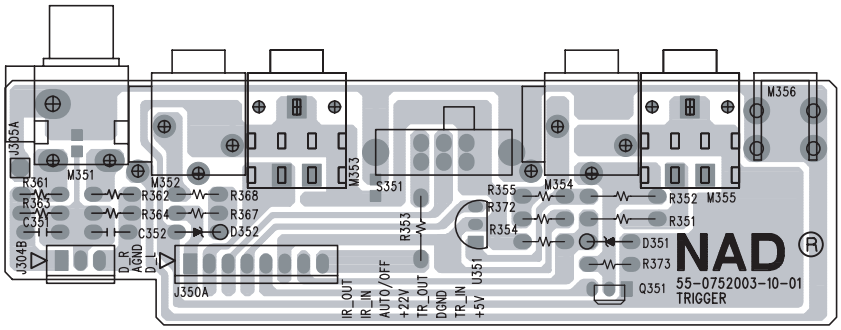
TRIGGER BOARD (ISSUE 7)



TRIGGER BOARD (ISSUE 8)

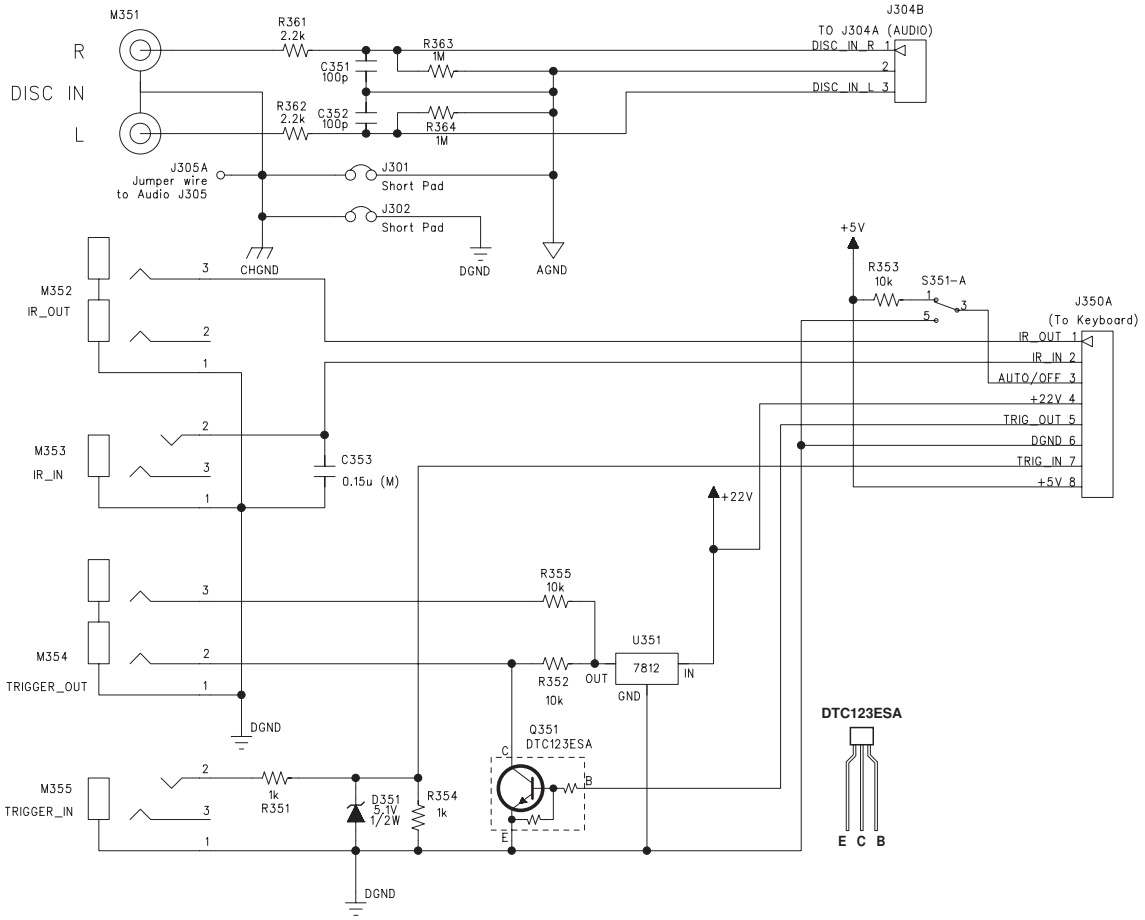


TRIGGER BOARD (PN-01)

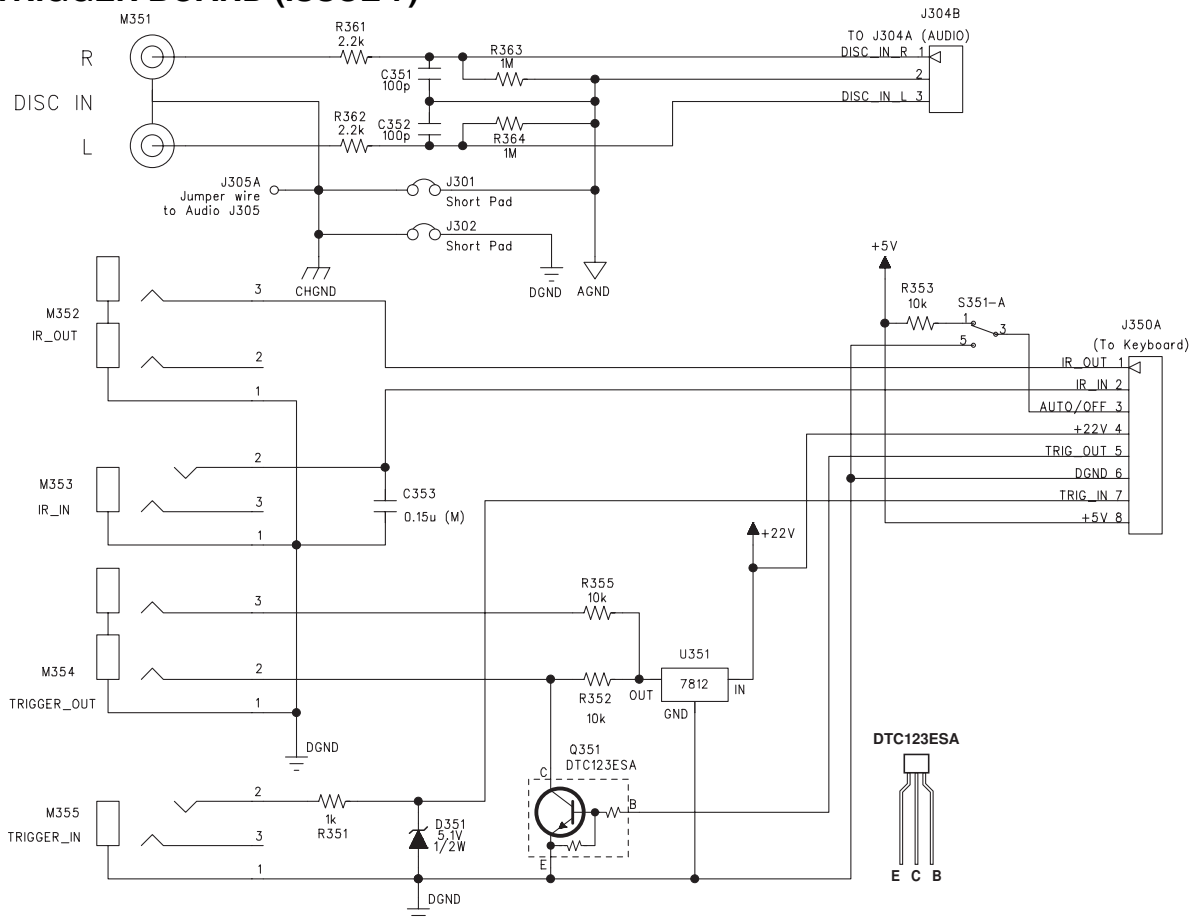


SCHEMATIC DIAGRAM

TRIGGER BOARD (ISSUE 6)

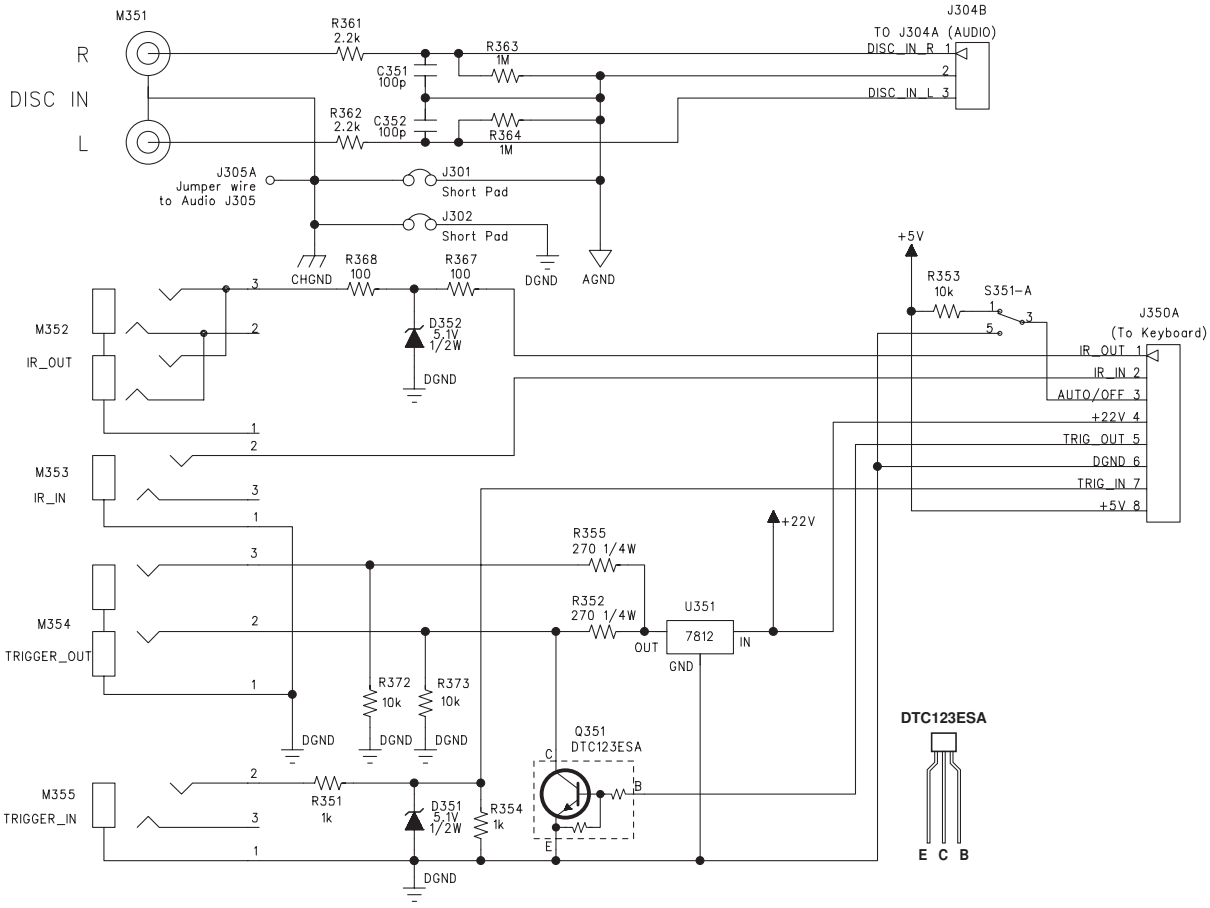


TRIGGER BOARD (ISSUE 7)

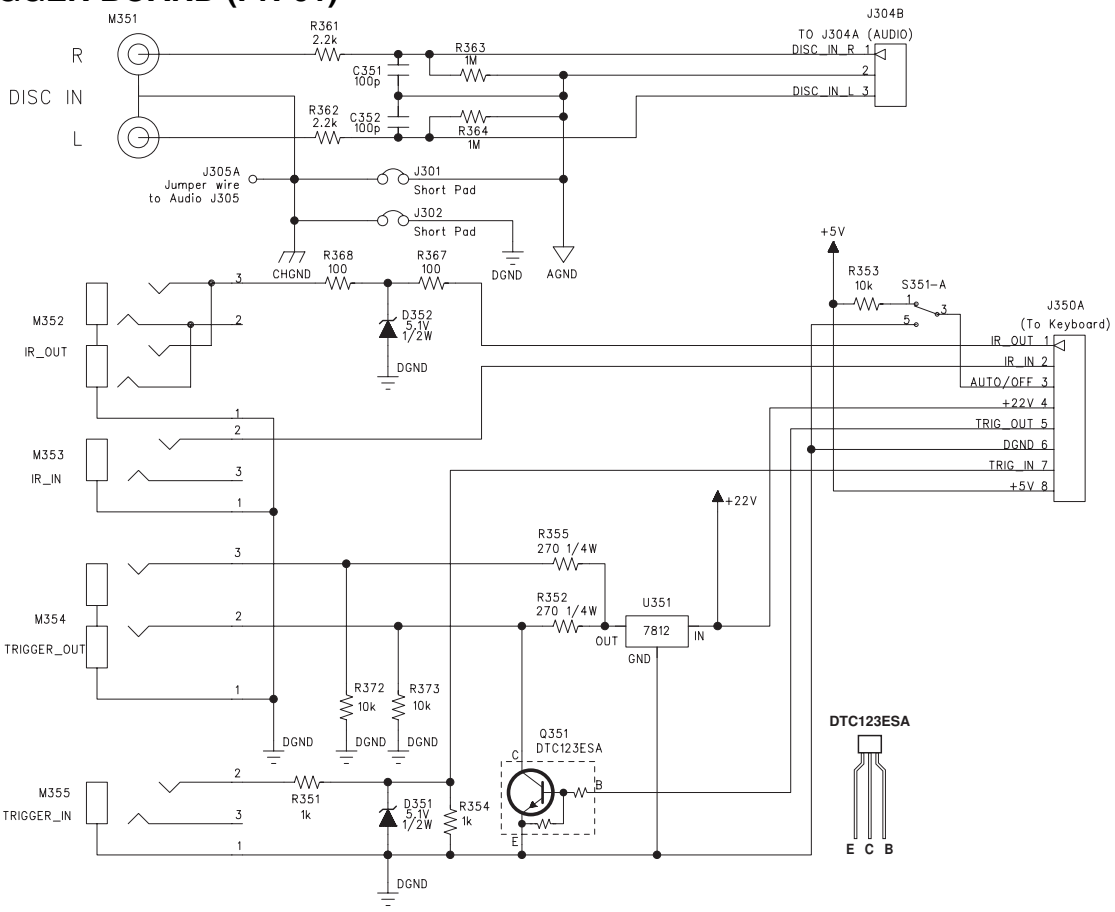


SCHEMATIC DIAGRAM

TRIGGER BOARD (ISSUE 8)



TRIGGER BOARD (PN-01)

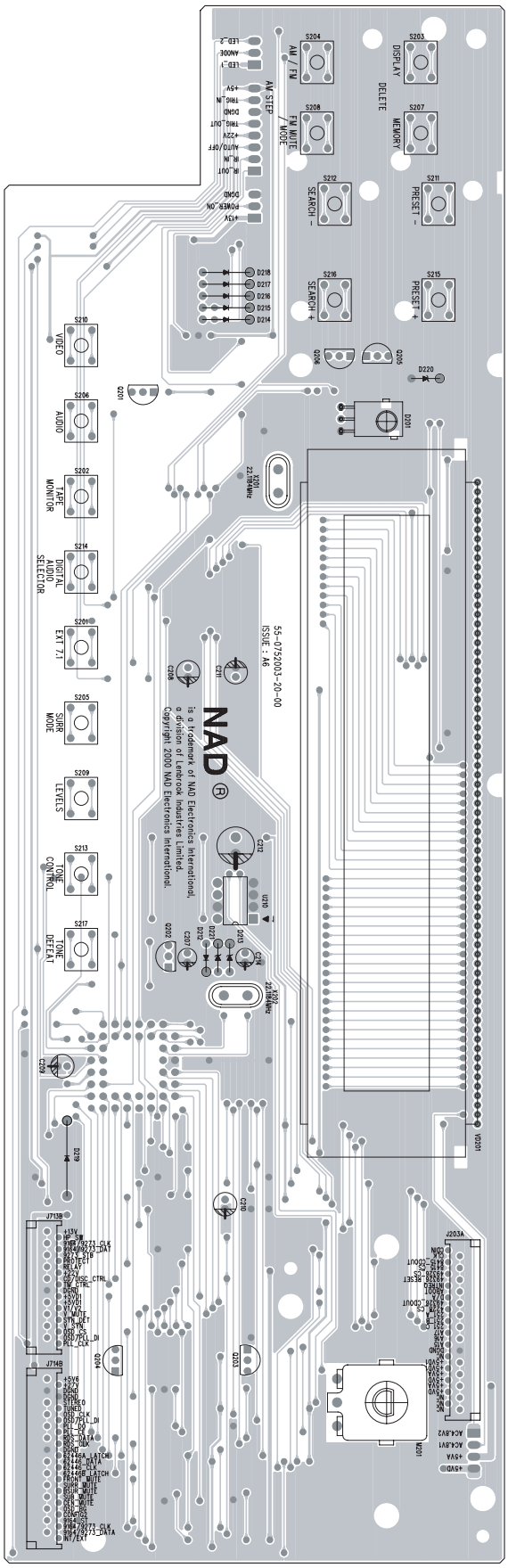


VERSION HISTORY
KEYBOARD

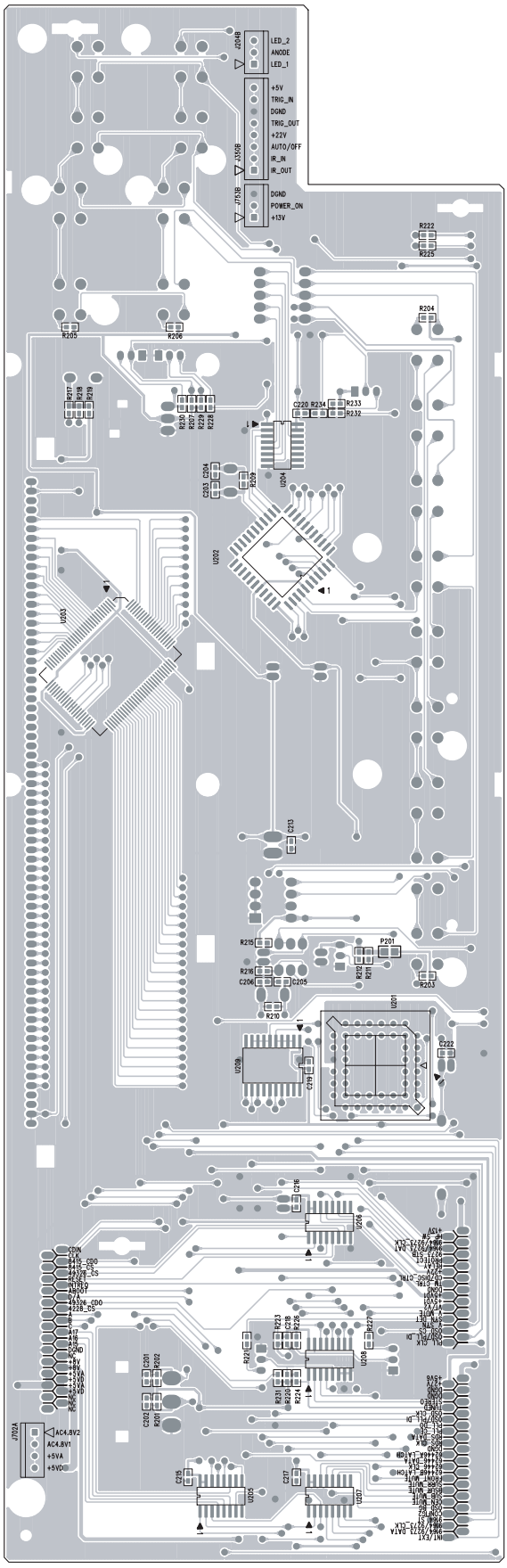
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	KEYBOARD : 55-0752003-20-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	KEYBOARD : 55-0752003-20-00 A7	• New connection of THERMAL	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	KEYBOARD : 55-0752003-20-00 A8	• No layout change	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	KEYBOARD : 55-0752003-20-01	• Add RC of Rotary Encoder	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

PCB LAYOUT
KEYBOARD (ISSUE 6)

COMPONENT SIDE

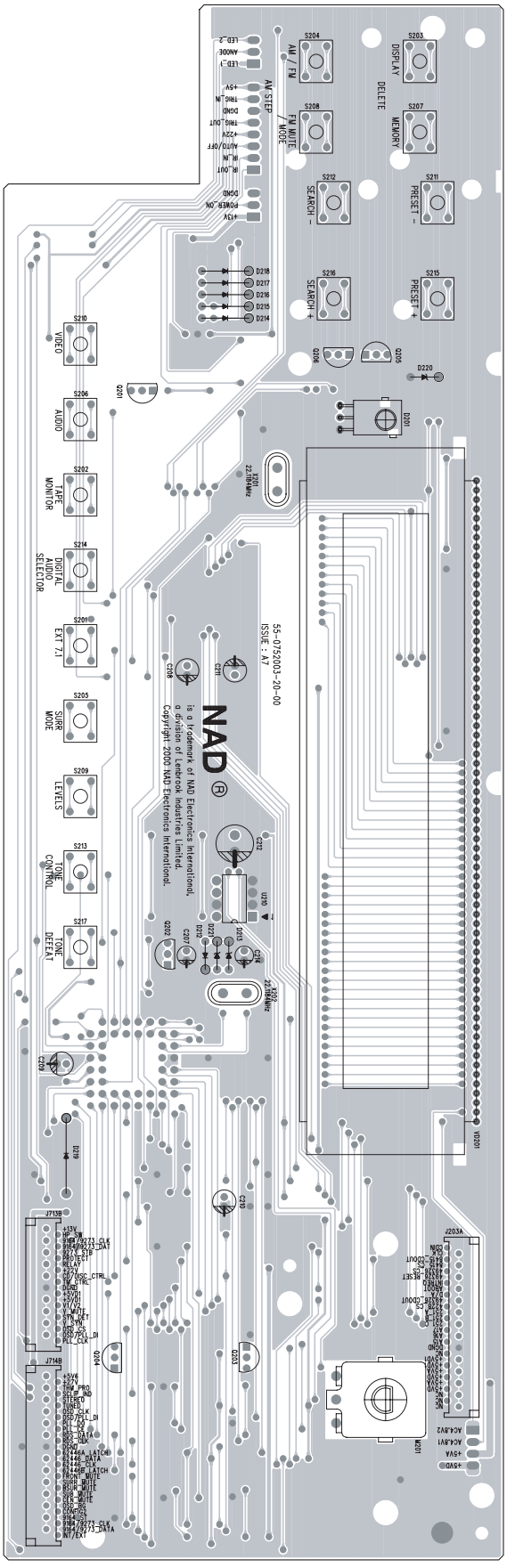


COPPER SIDE

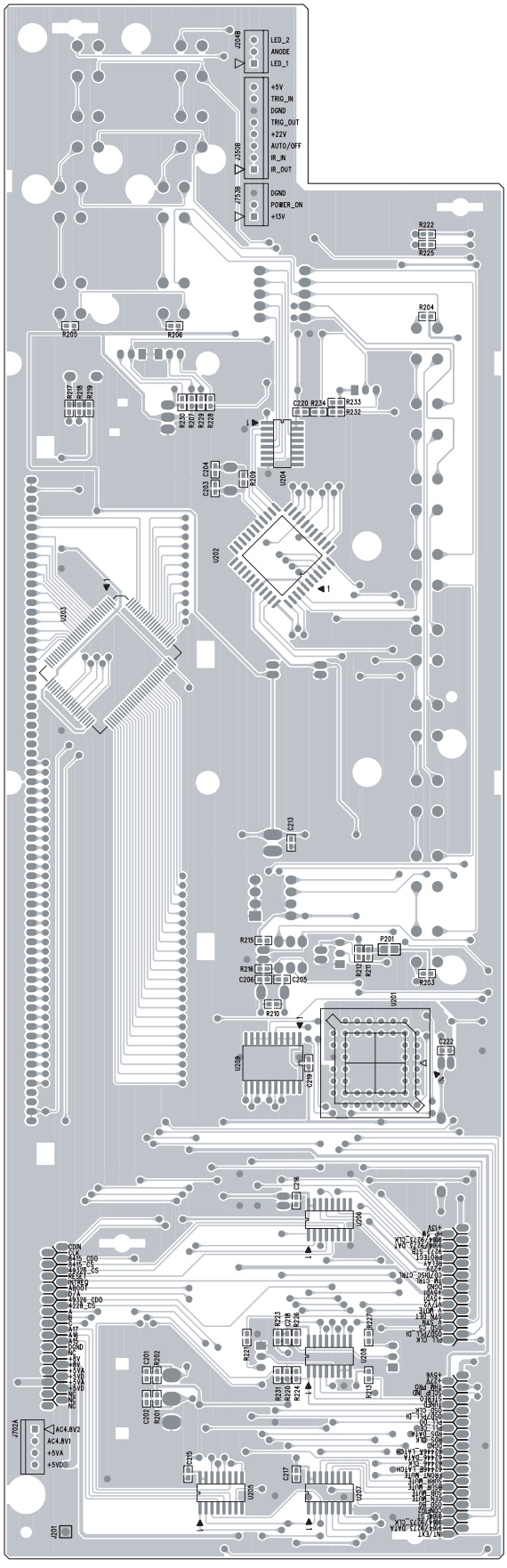


PCB LAYOUT
KEYBOARD (ISSUE 7)

COMPONENT SIDE

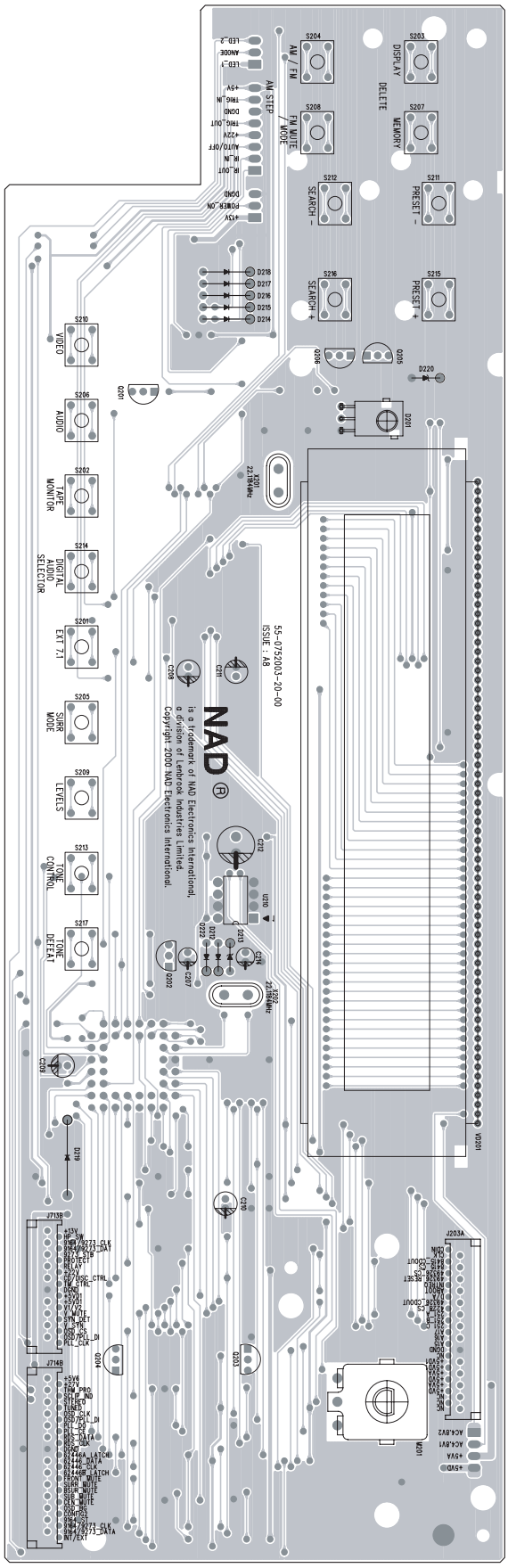


COPPER SIDE

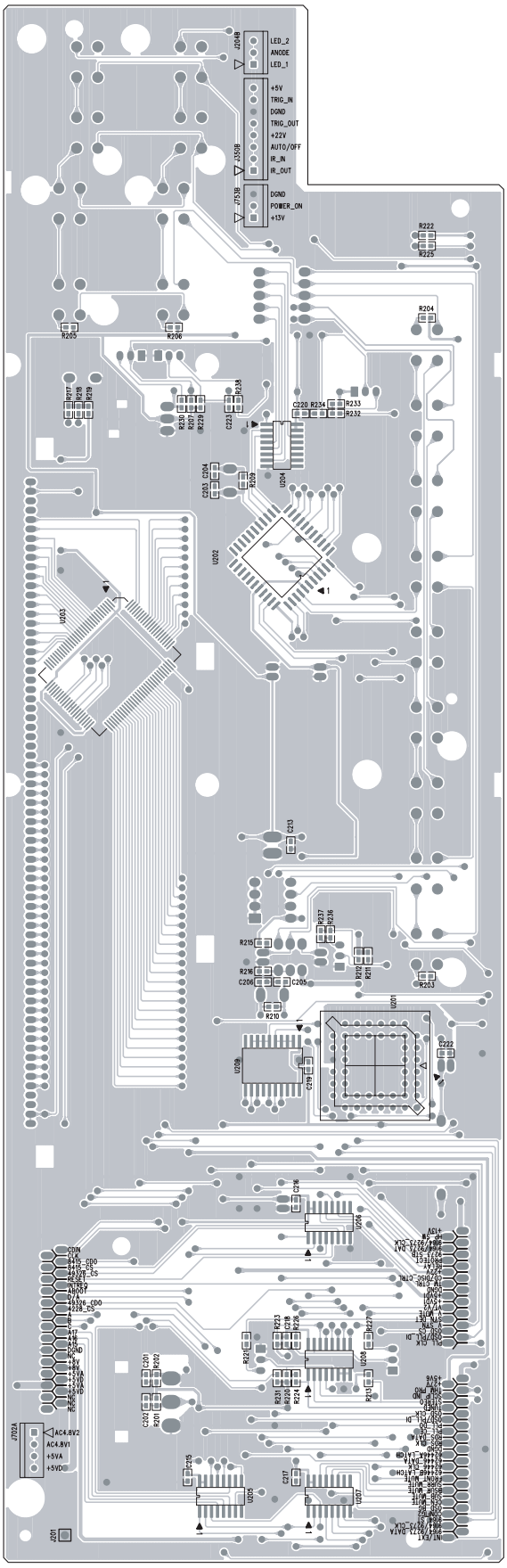


PCB LAYOUT
KEYBOARD (ISSUE 8)

COMPONENT SIDE

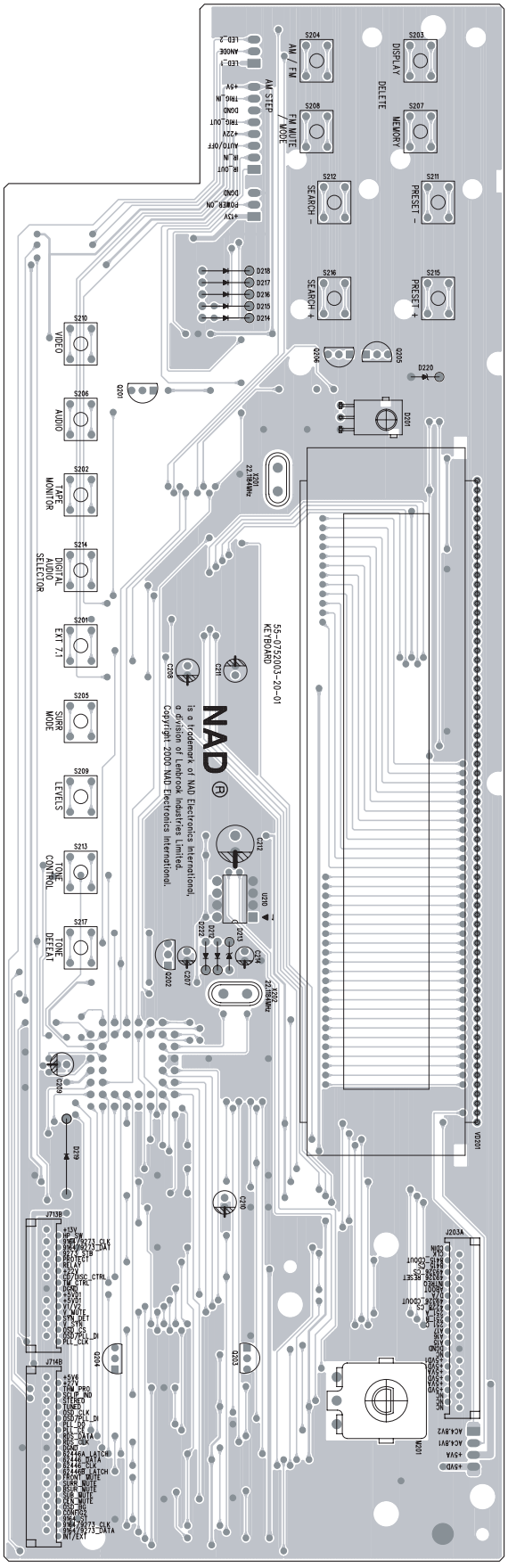


COPPER SIDE

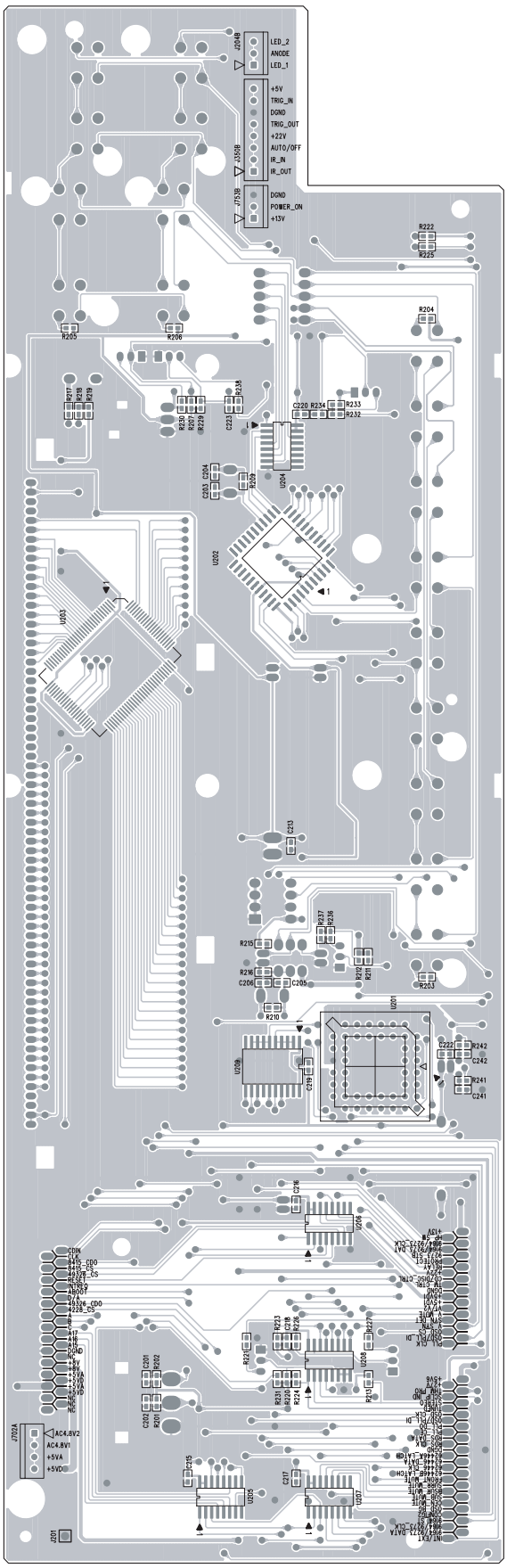


PCB LAYOUT
KEYBOARD (PN-01)

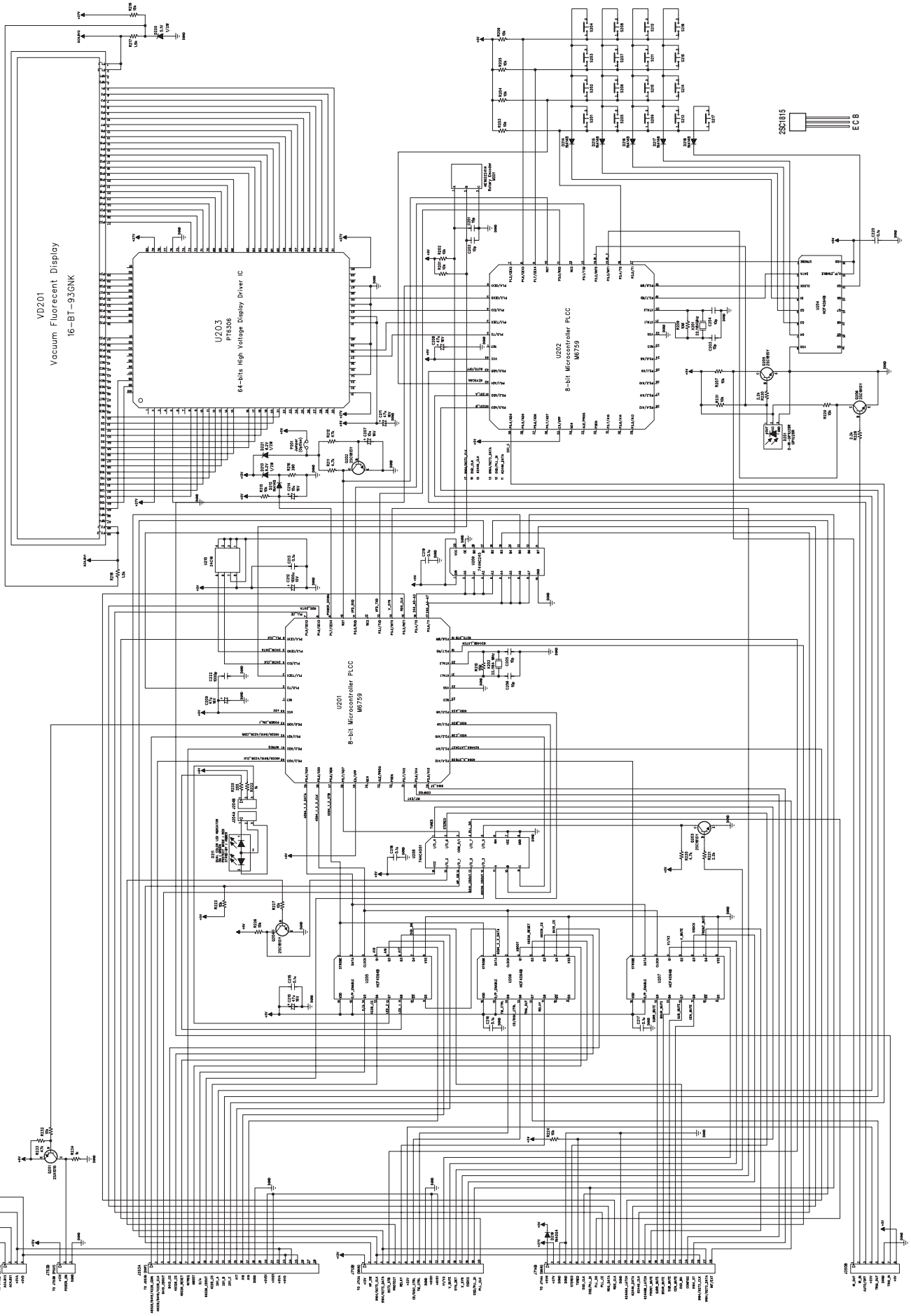
COMPONENT SIDE



COPPER SIDE

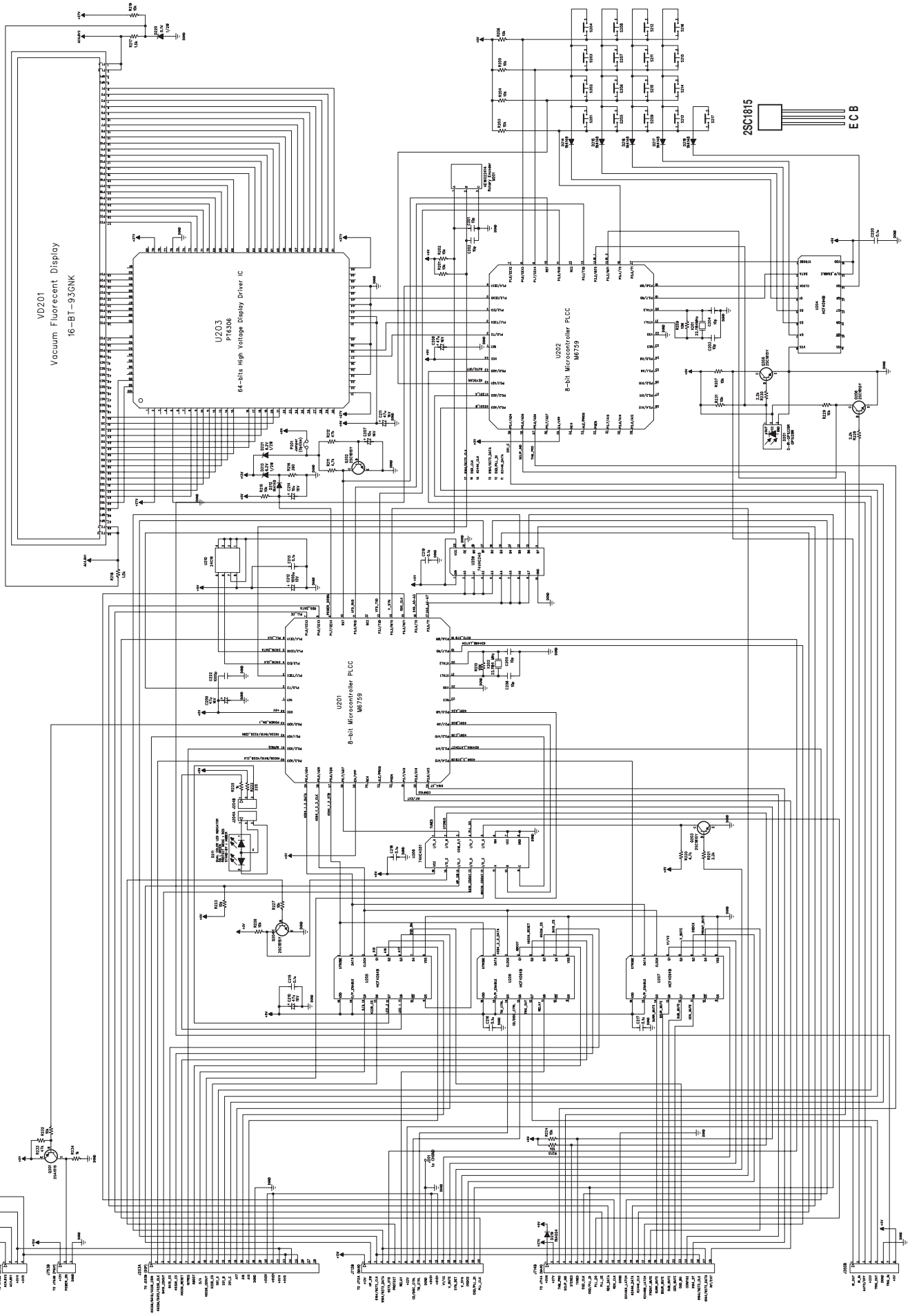


SCHEMATIC DIAGRAM
KEYBOARD (ISSUE 6)

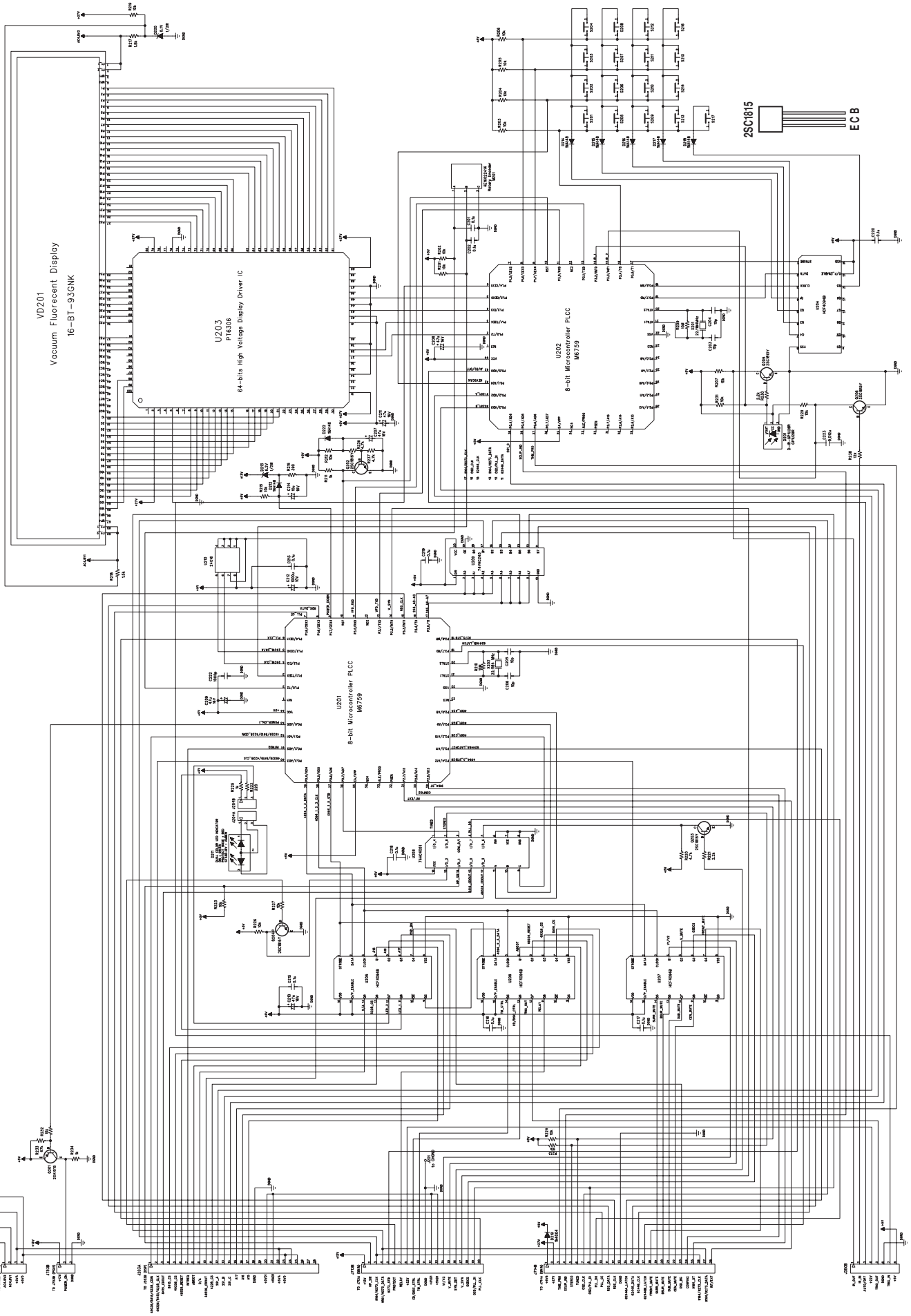


SCHEMATIC DIAGRAM

KEYBOARD (ISSUE 7)

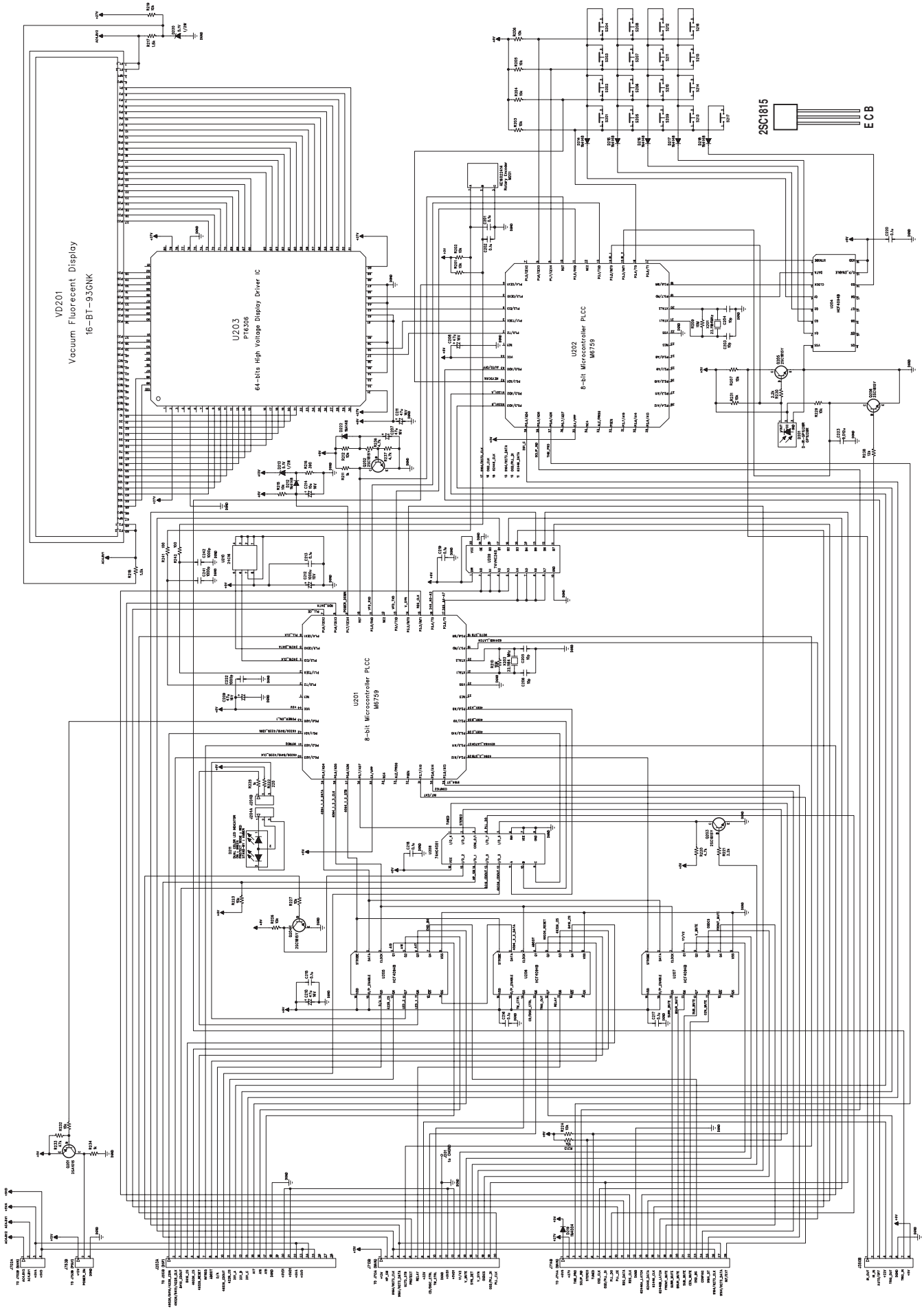


SCHEMATIC DIAGRAM
KEYBOARD (ISSUE 8)



SCHEMATIC DIAGRAM

KEYBOARD (PN-01)

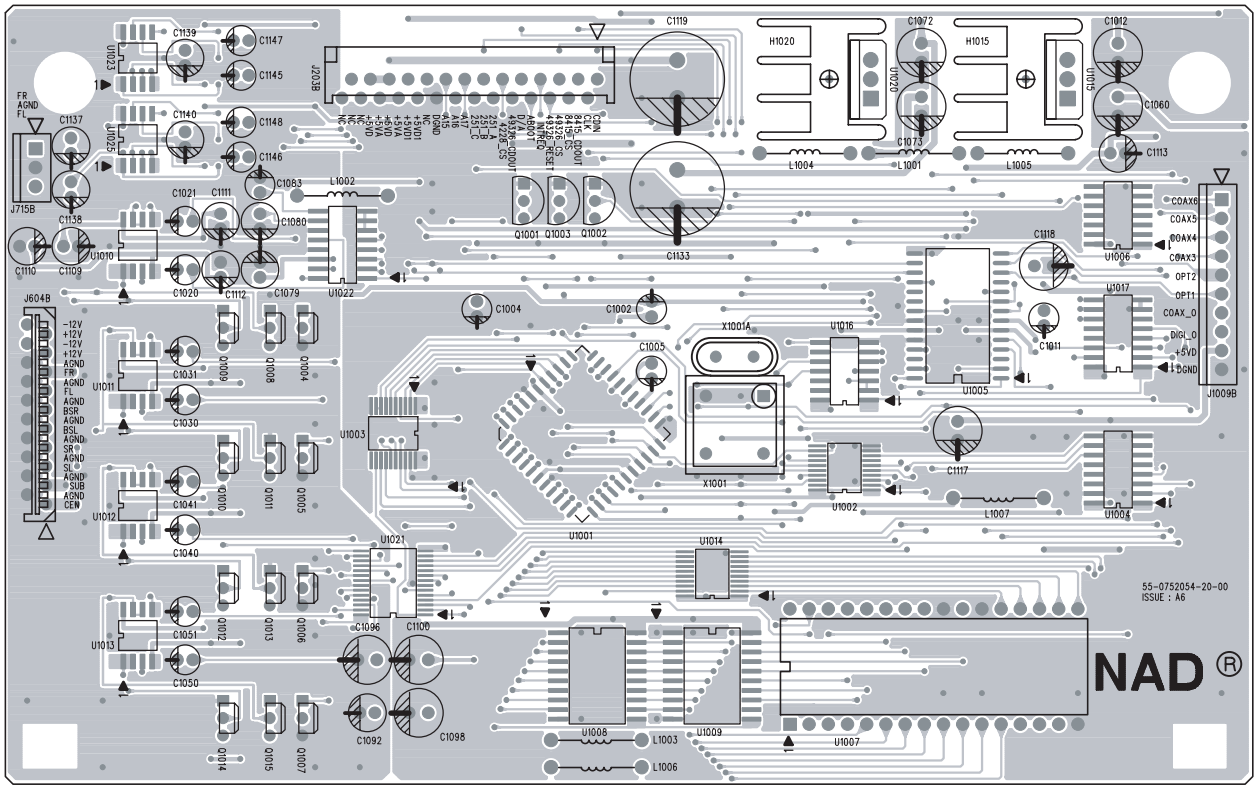


VERSION HISTORY
DSP BOARD

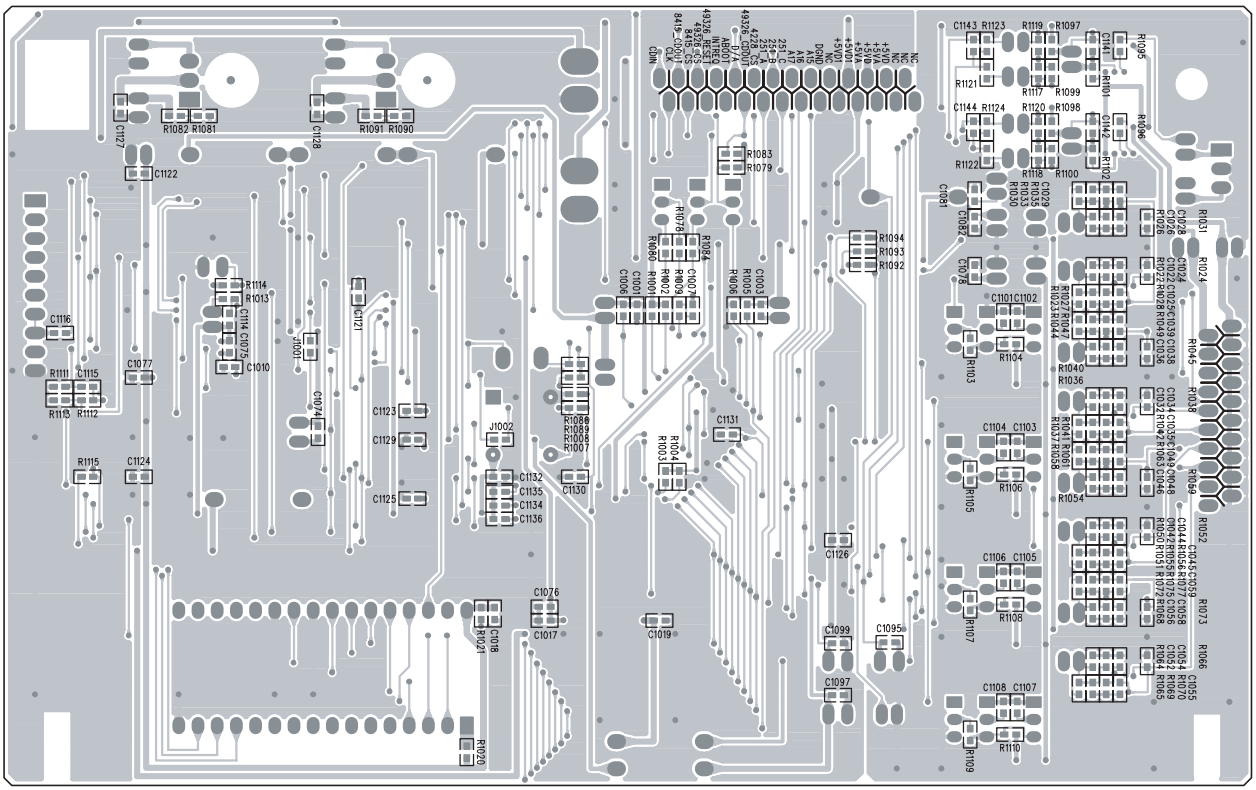
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	DSP BOARD : 55-0752054-20-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	DSP BOARD : 55-0752054-20-00 A7	• No layout change	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	DSP BOARD : 55-0752054-20-00 A8	• Add RC of digital in • Add Diode of 8415 RST	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01 **PN-02**	DSP BOARD : 55-0752054-20-01 DSP BOARD : 55-0752054-20-02	• No layout change • No layout change	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

PCB LAYOUT
DSP BOARD (ISSUE 6)

COMPONENT SIDE

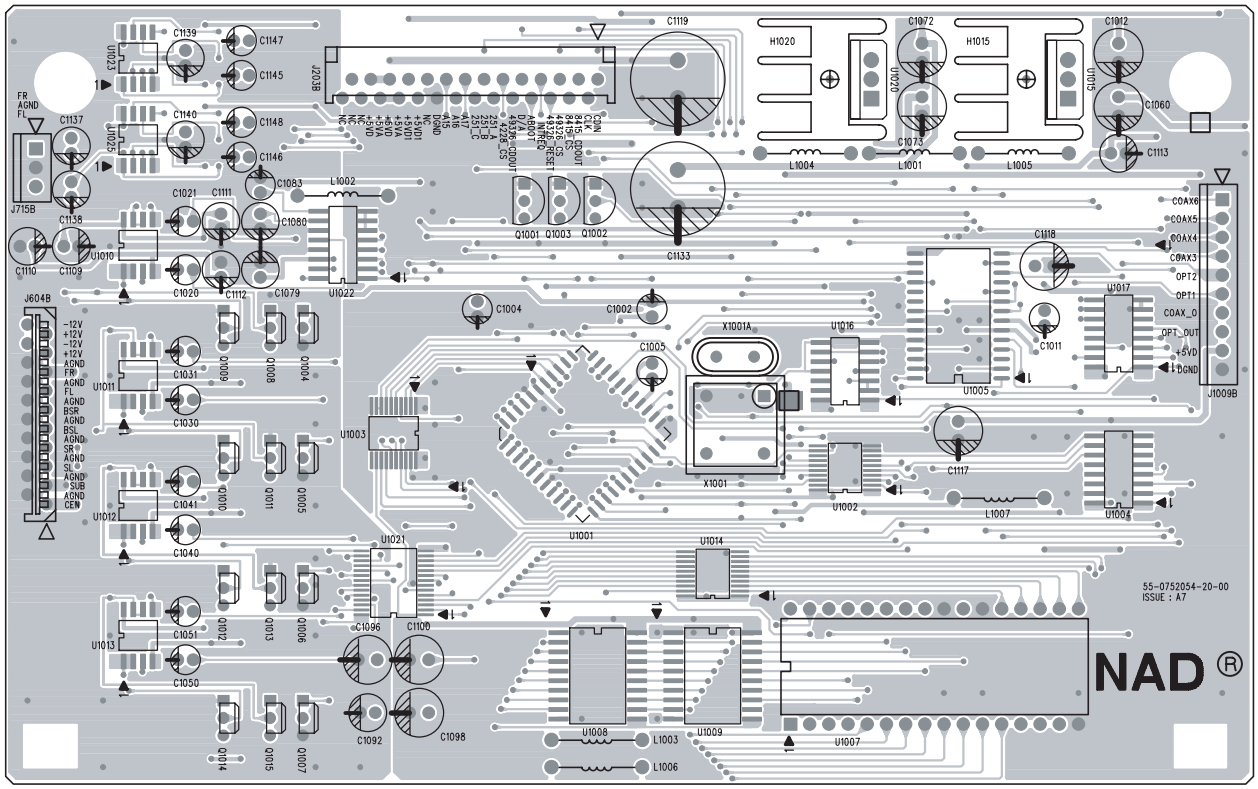


COPPER SIDE

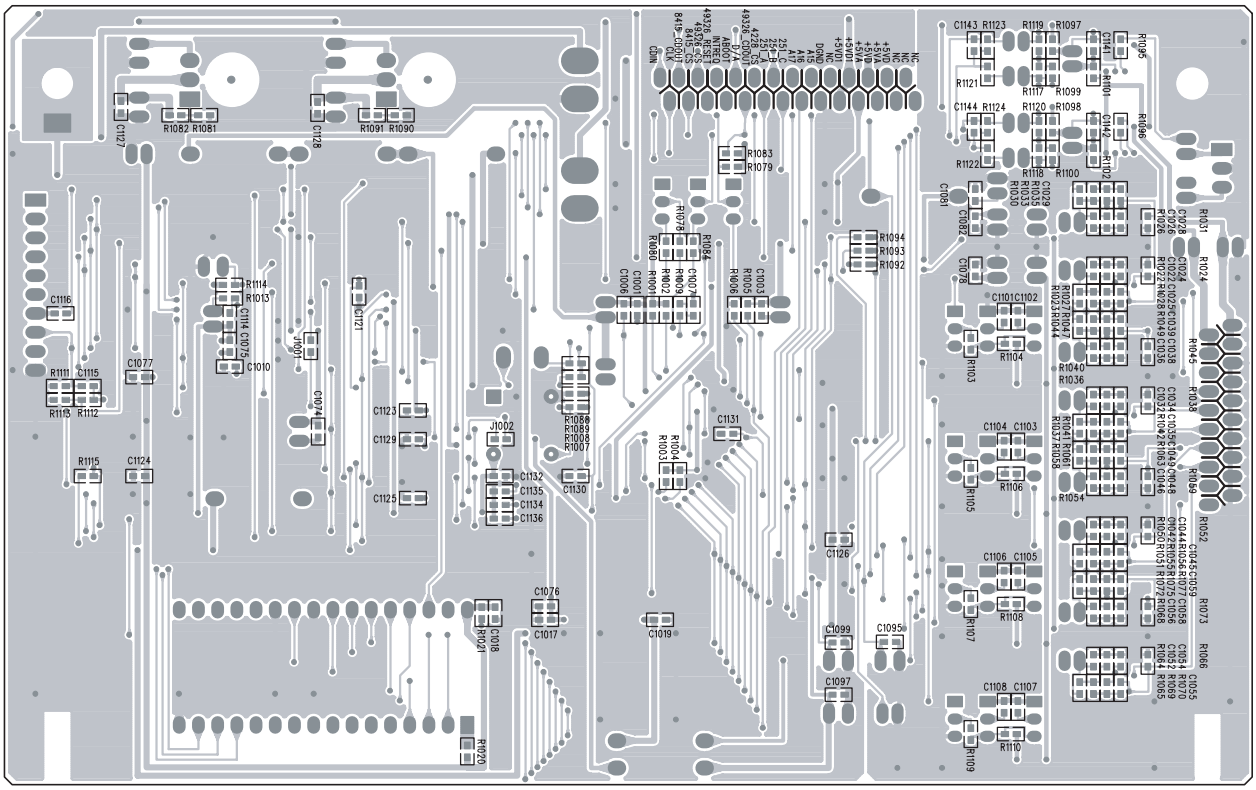


PCB LAYOUT
DSP BOARD (ISSUE 7)

COMPONENT SIDE

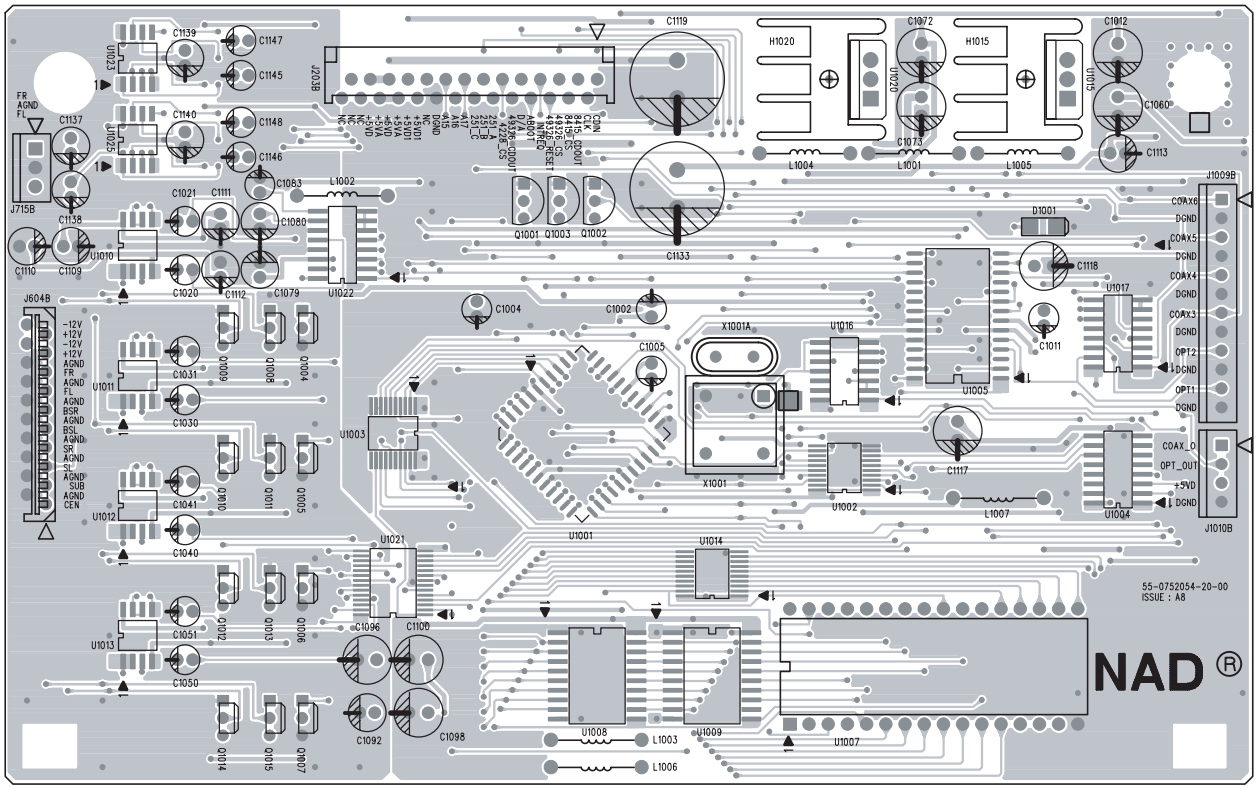


COPPER SIDE

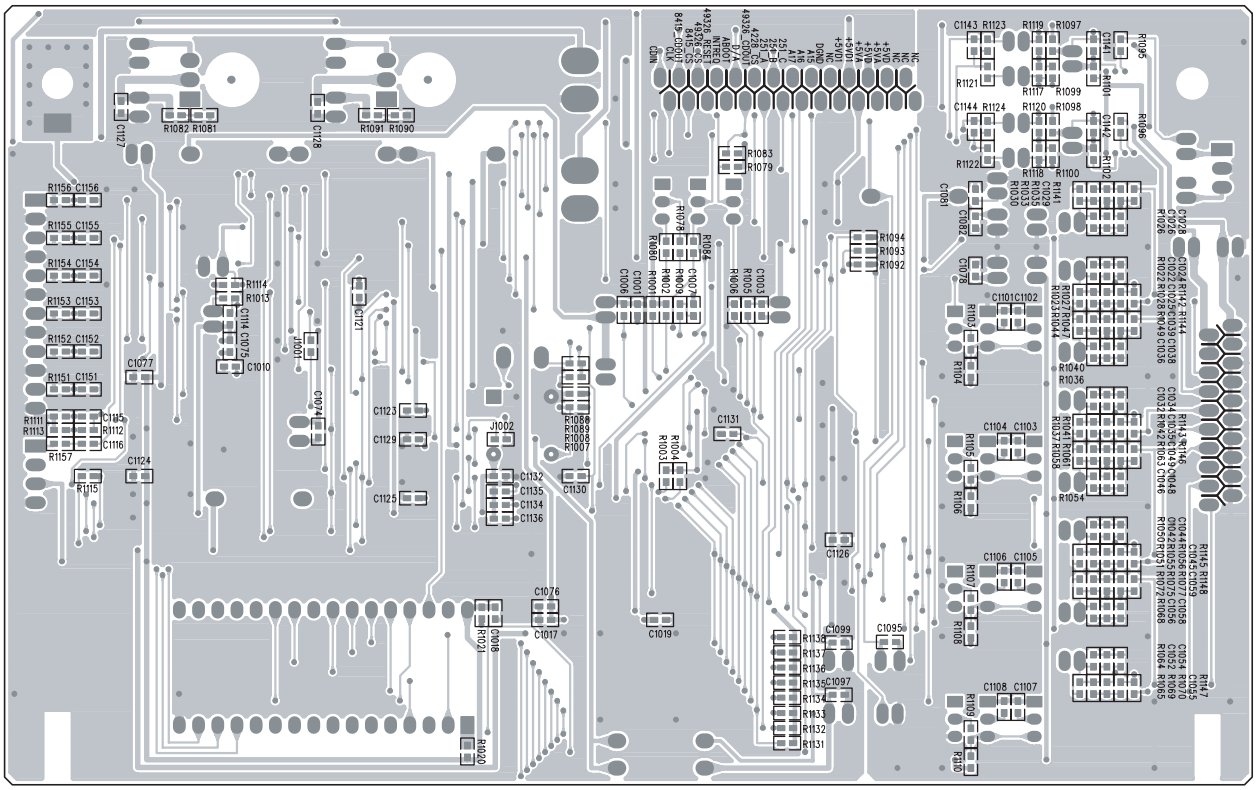


PCB LAYOUT
DSP BOARD (ISSUE 8)

COMPONENT SIDE

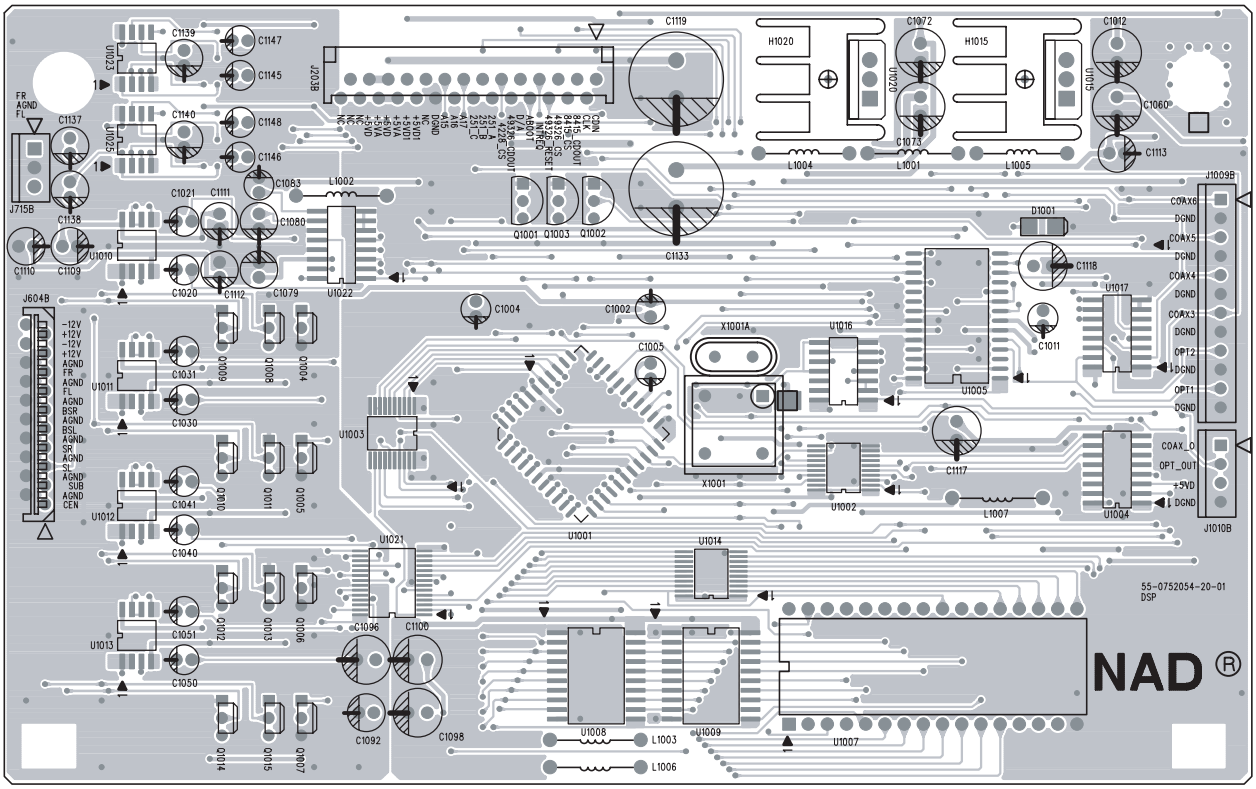


COPPER SIDE

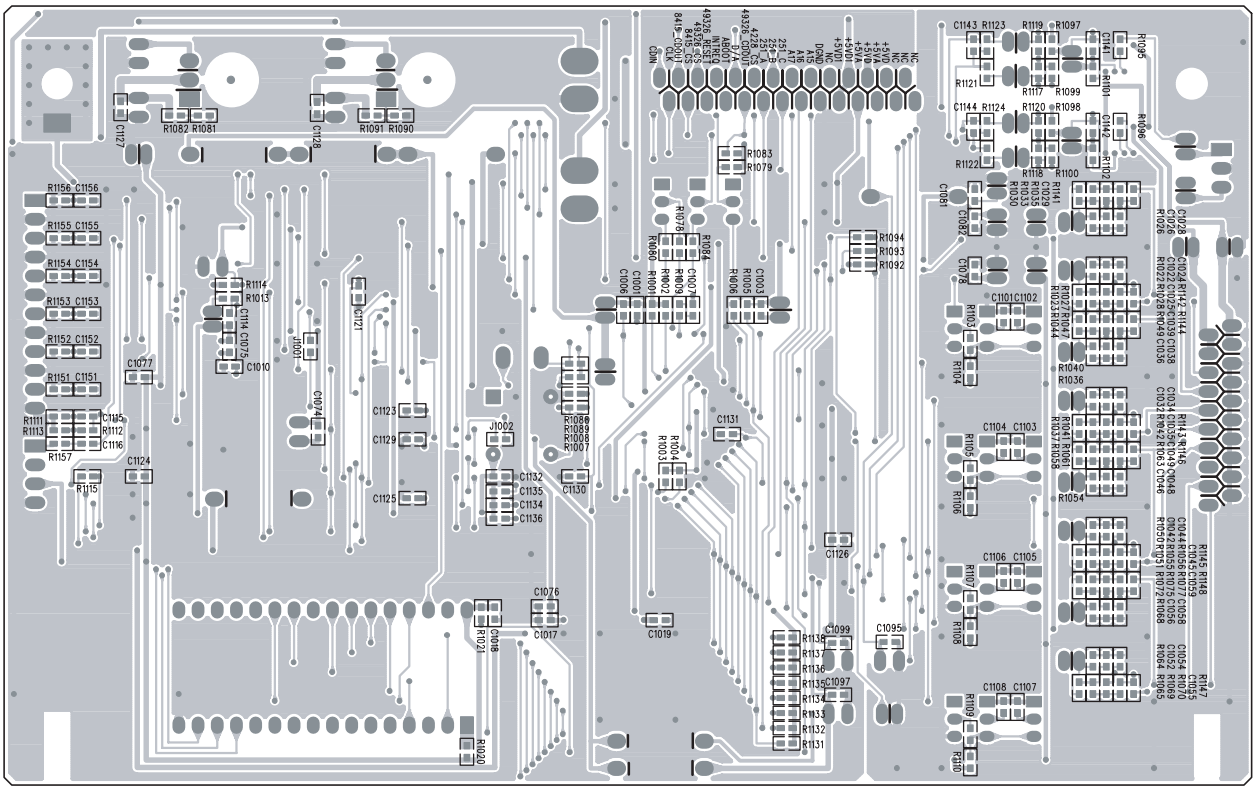


PCB LAYOUT
DSP BOARD (PN-01)

COMPONENT SIDE

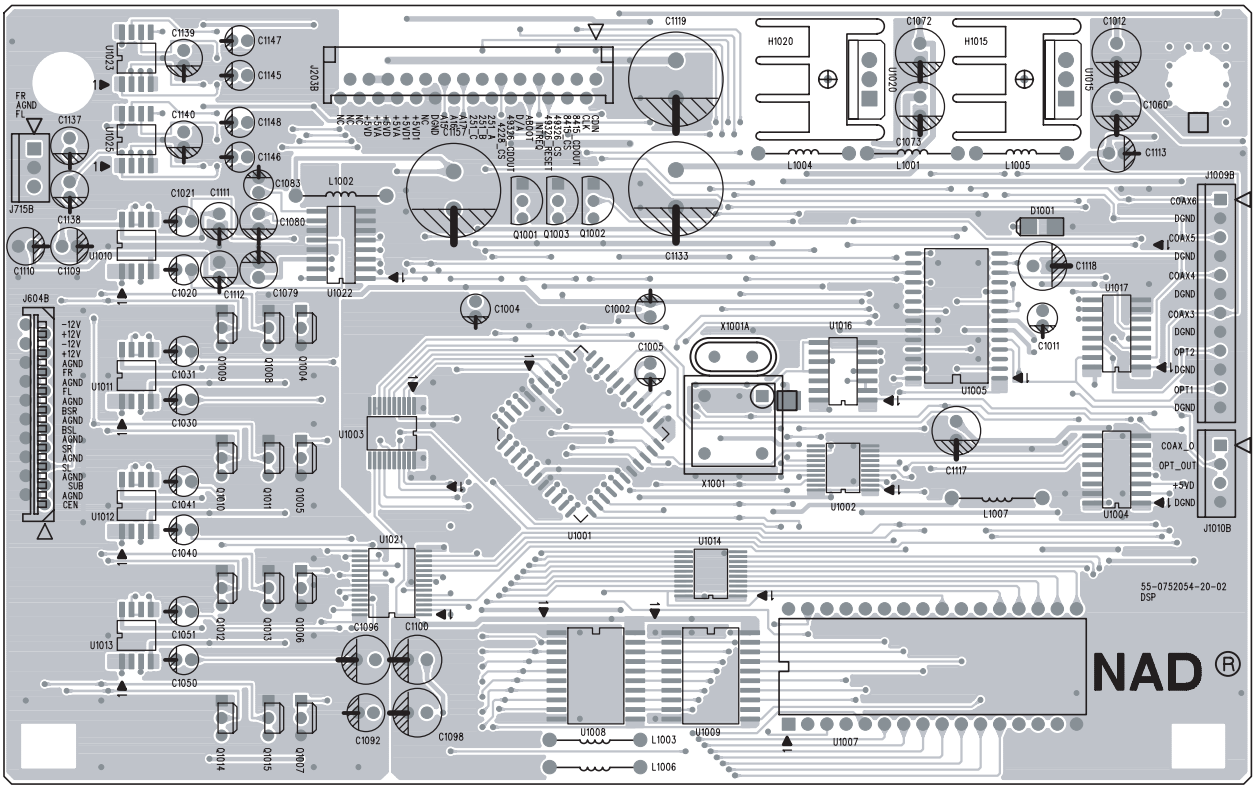


COPPER SIDE

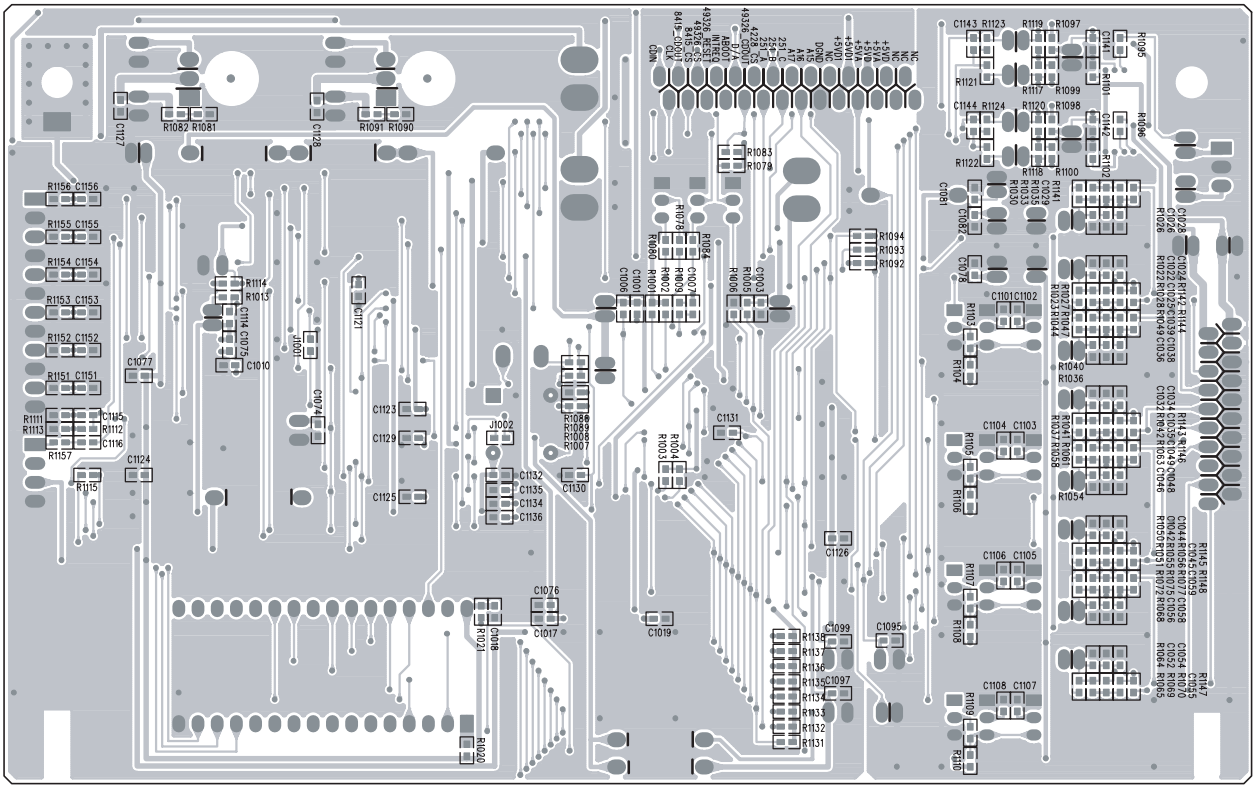


PCB LAYOUT
DSP BOARD (PN-02)

COMPONENT SIDE

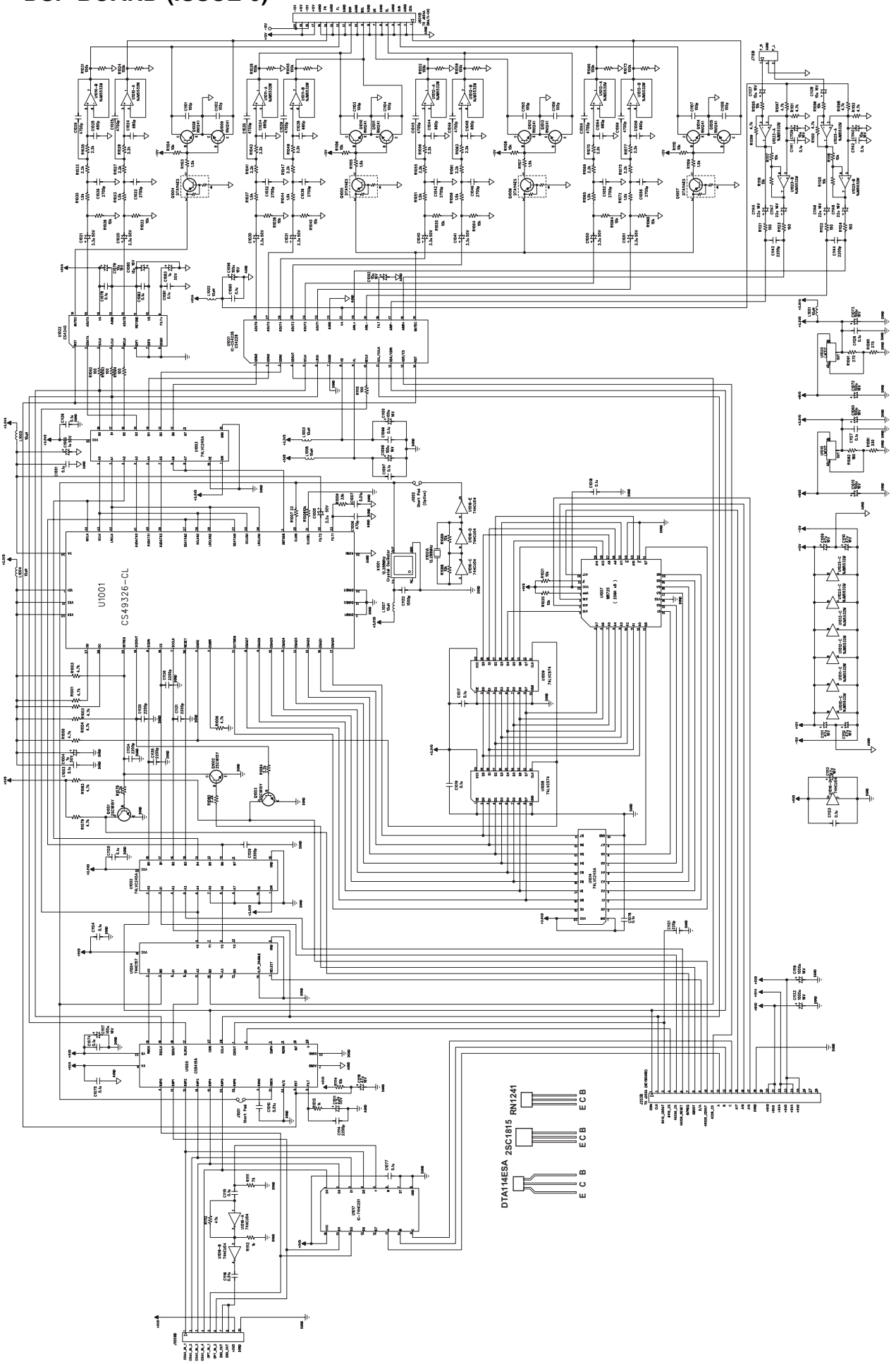


COPPER SIDE

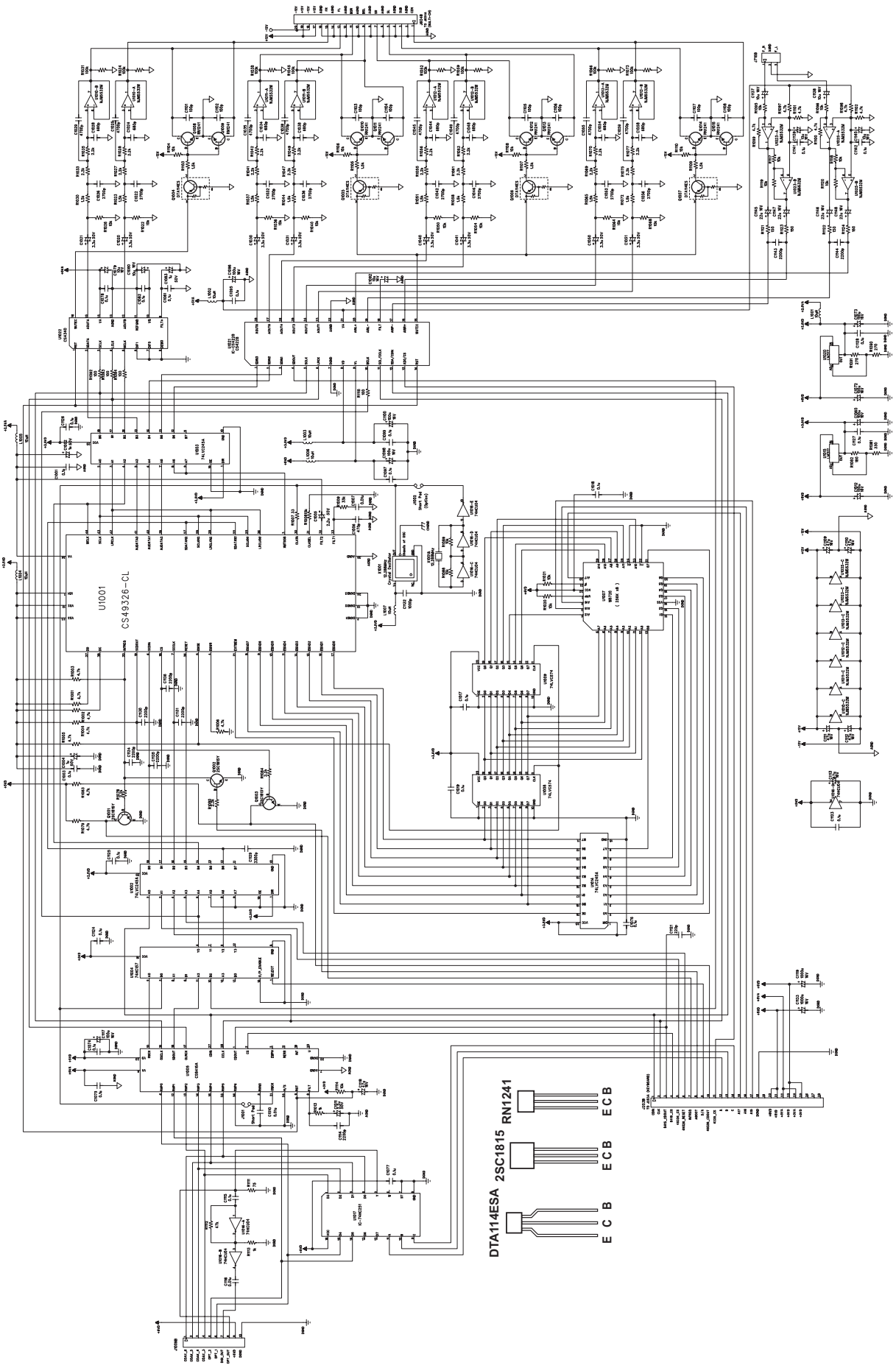


SCHEMATIC DIAGRAM

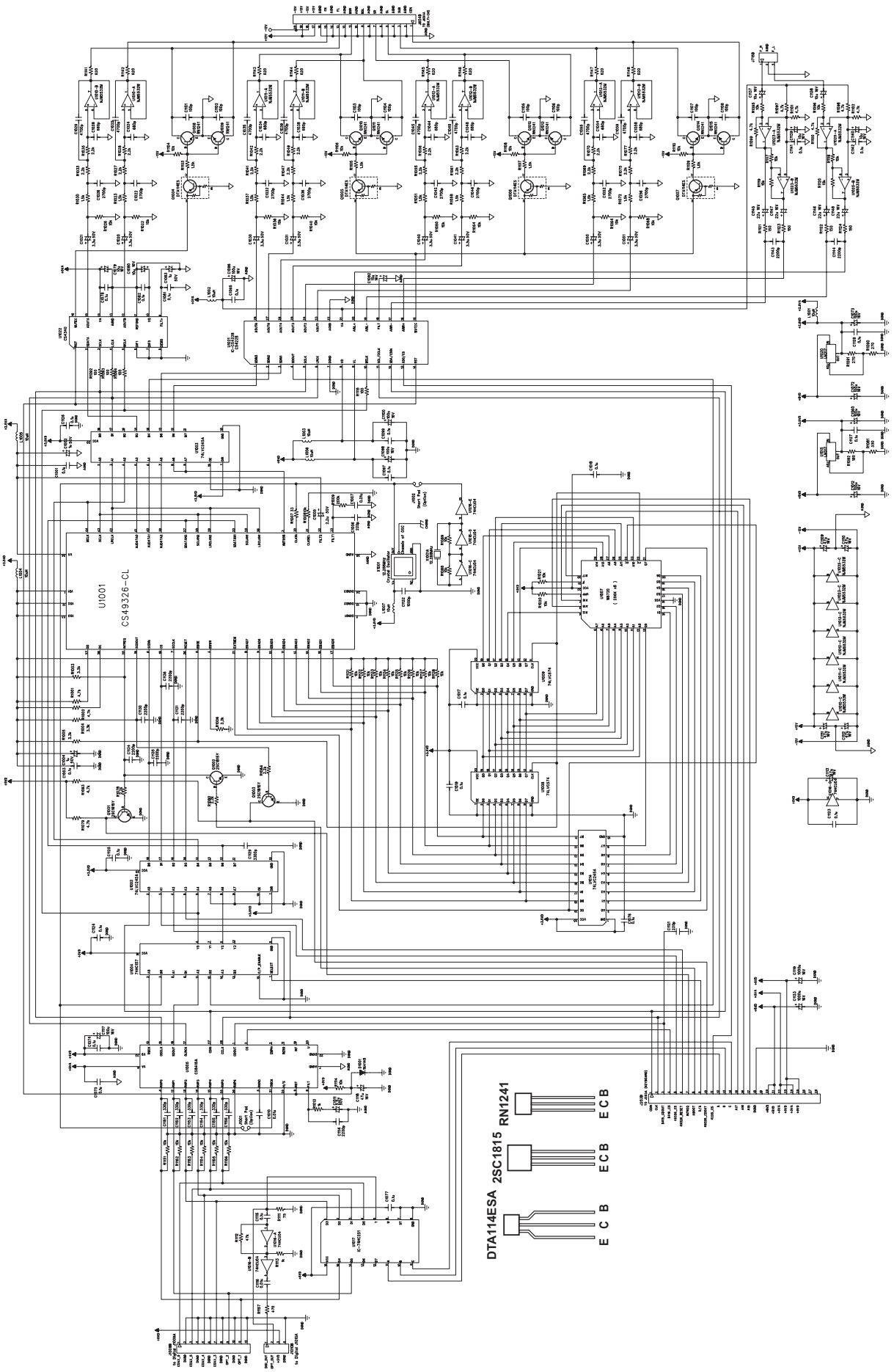
DSP BOARD (ISSUE 6)



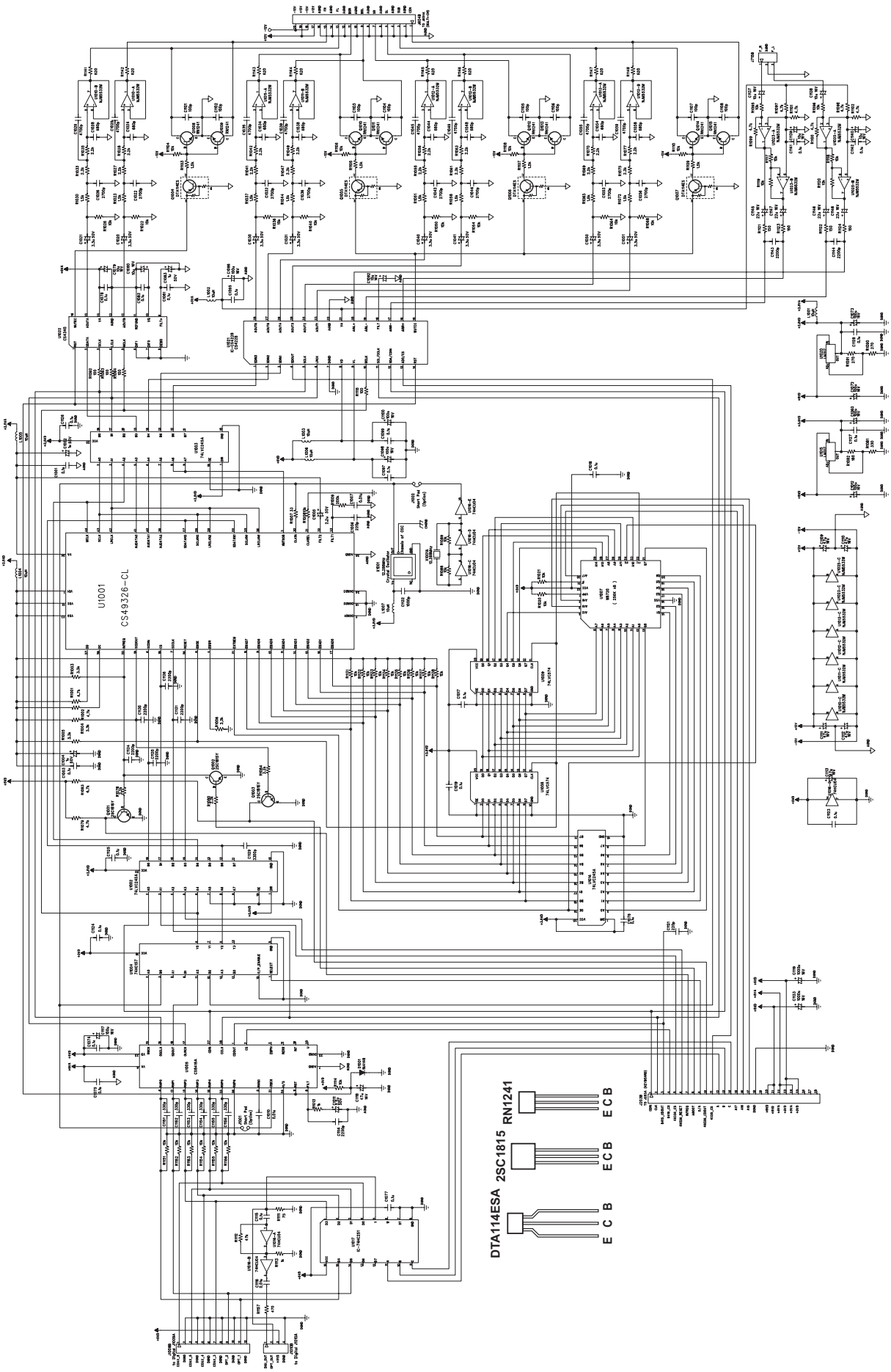
SCHEMATIC DIAGRAM
DSP BOARD (ISSUE 7)



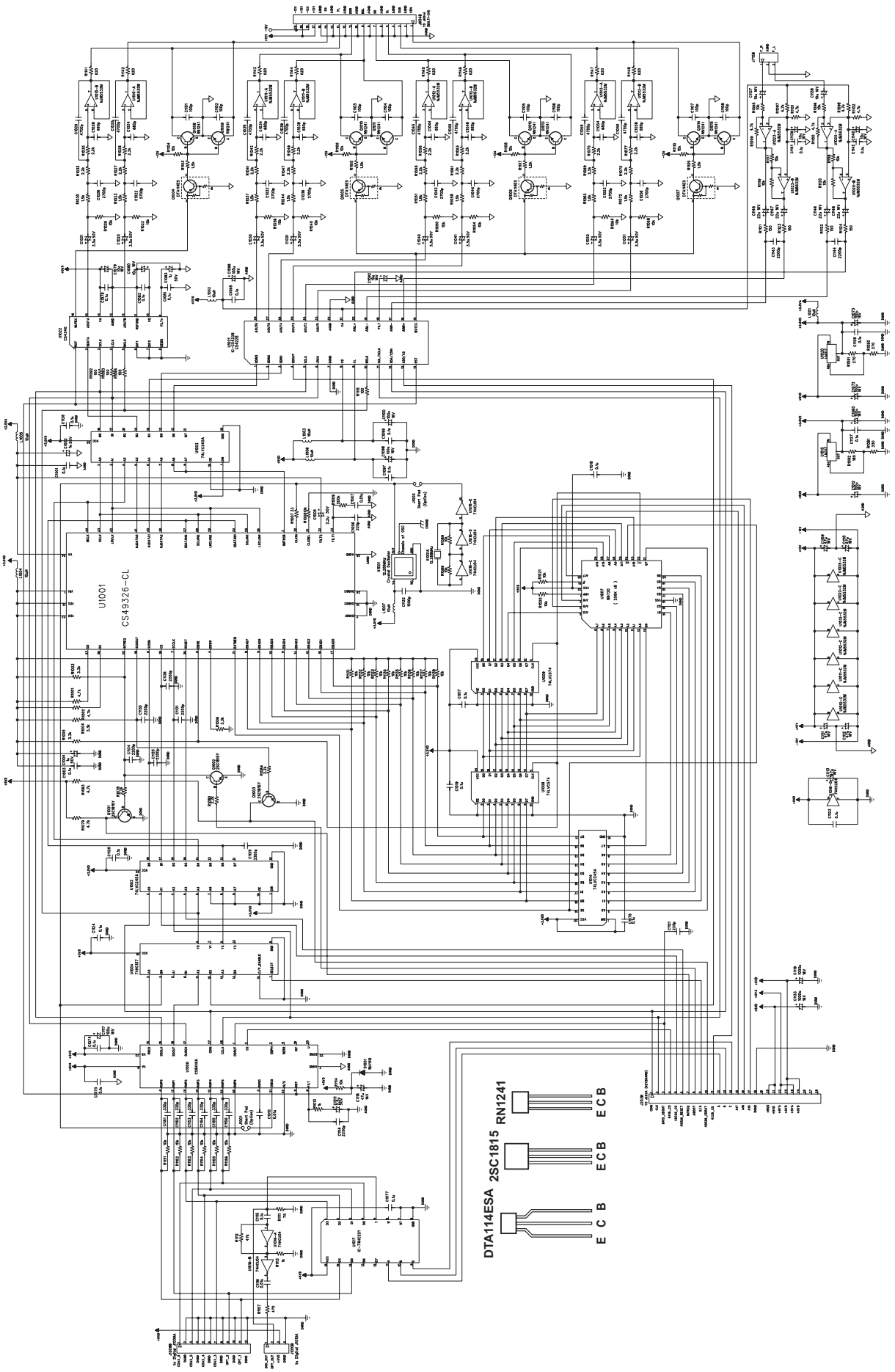
SCHEMATIC DIAGRAM
DSP BOARD (ISSUE 8)



SCHEMATIC DIAGRAM
DSP BOARD (PN-01)



SCHEMATIC DIAGRAM
DSP BOARD (PN-02)

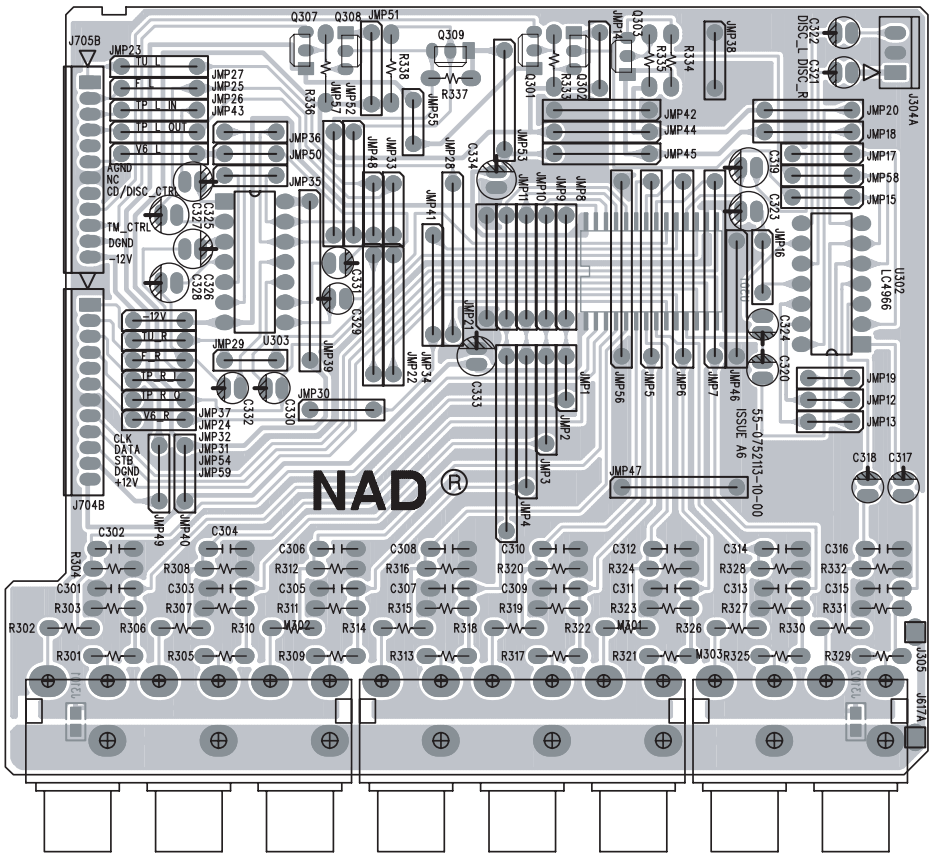


VERSION HISTORY
AUDIO BOARD

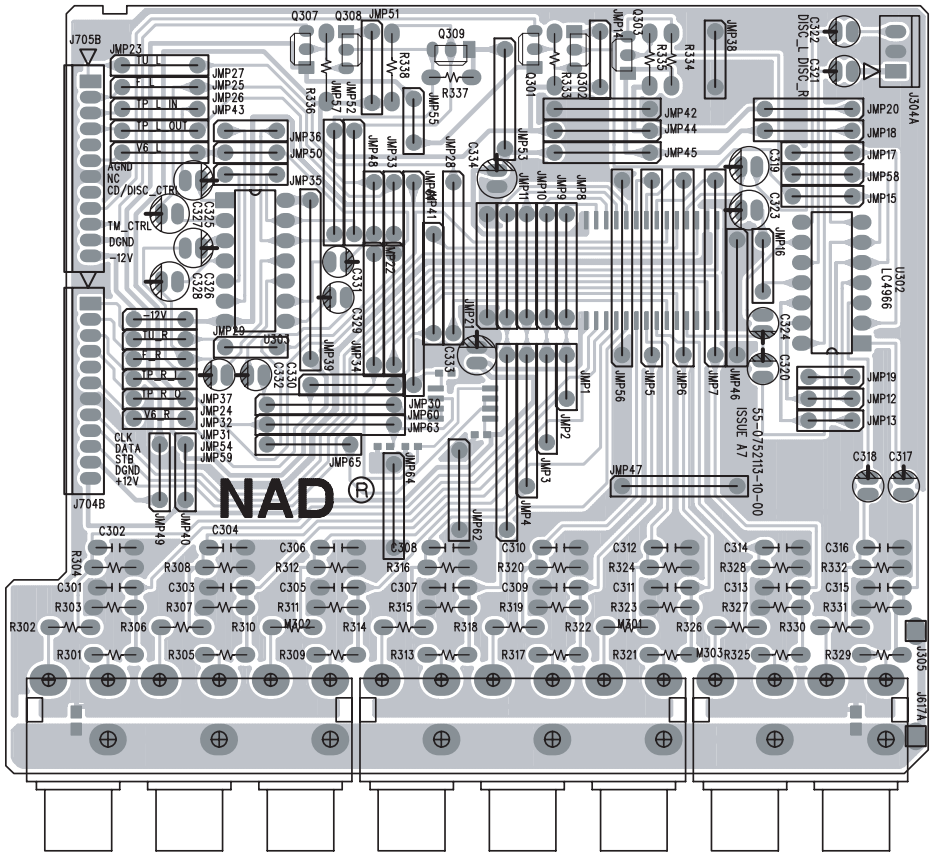
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	AUDIO BOARD : 55-0752113-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	AUDIO BOARD : 55-0752113-10-00 A7	• Add Oamp for Tape Out	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	AUDIO BOARD : 55-0752113-10-00 A8	• No layout change	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	AUDIO BOARD : 55-0752113-10-01	• No layout change	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685
PN-02	AUDIO BOARD : 55-0752113-10-02	• No layout change	R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600
PN-03	AUDIO BOARD : 55-0752113-10-03	• No layout change	R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

PCB LAYOUT

AUDIO BOARD (ISSUE 6)

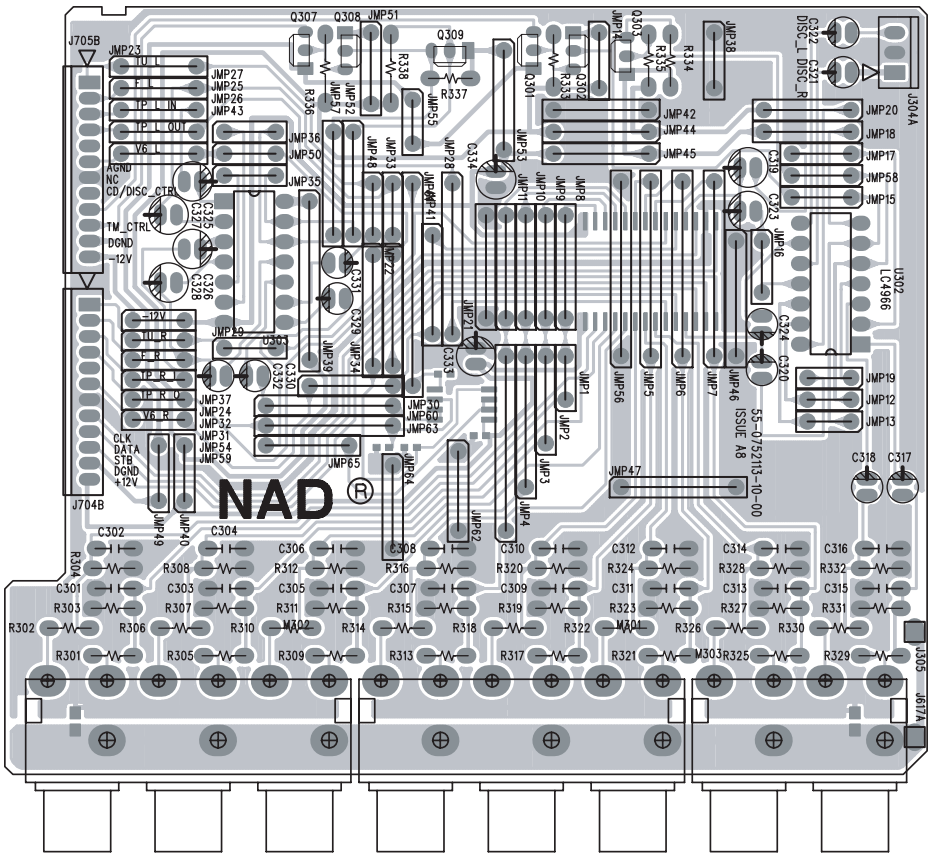


AUDIO BOARD (ISSUE 7)

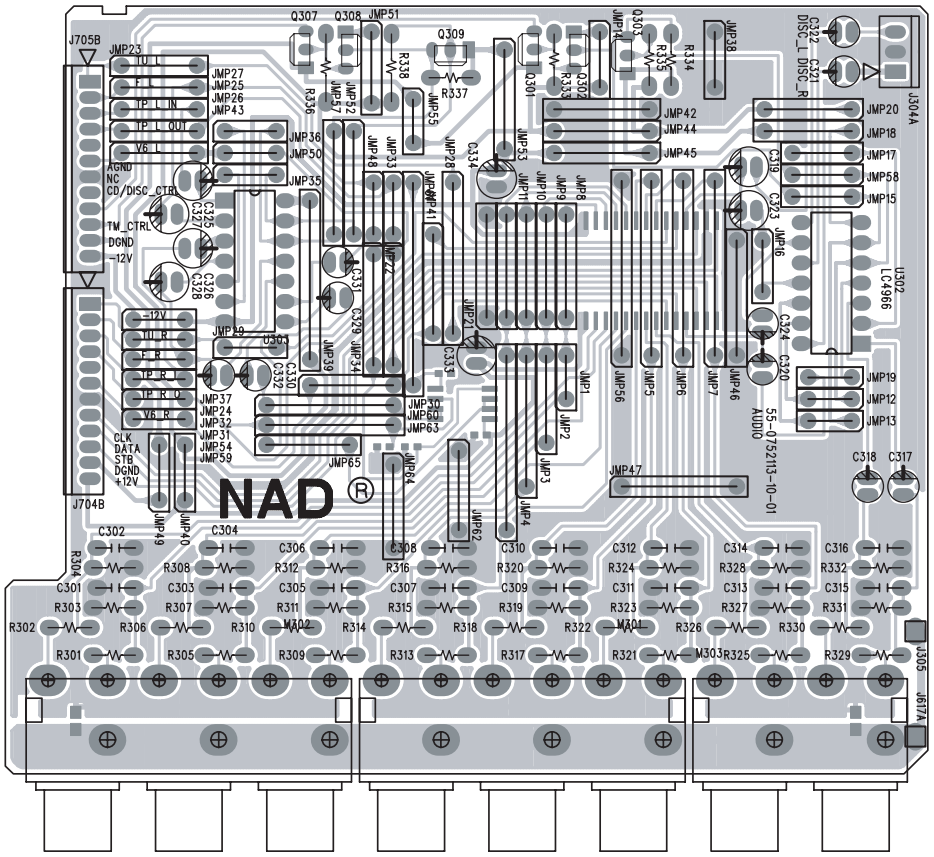


PCB LAYOUT

AUDIO BOARD (ISSUE 8)

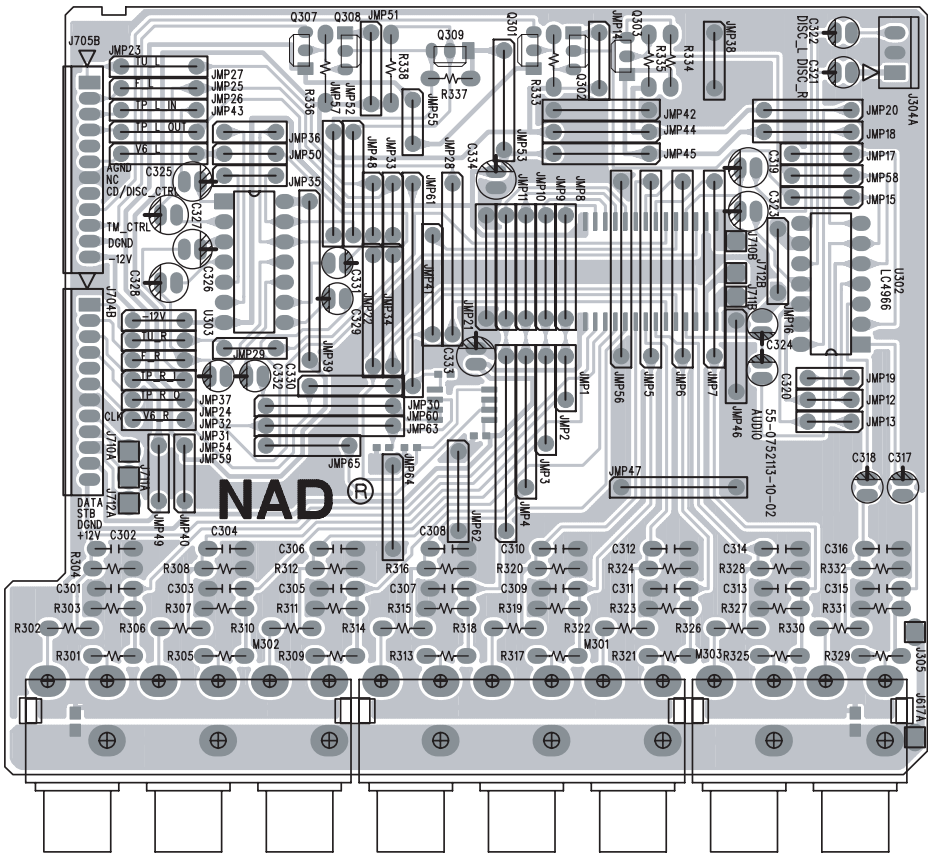


AUDIO BOARD (PN-01)

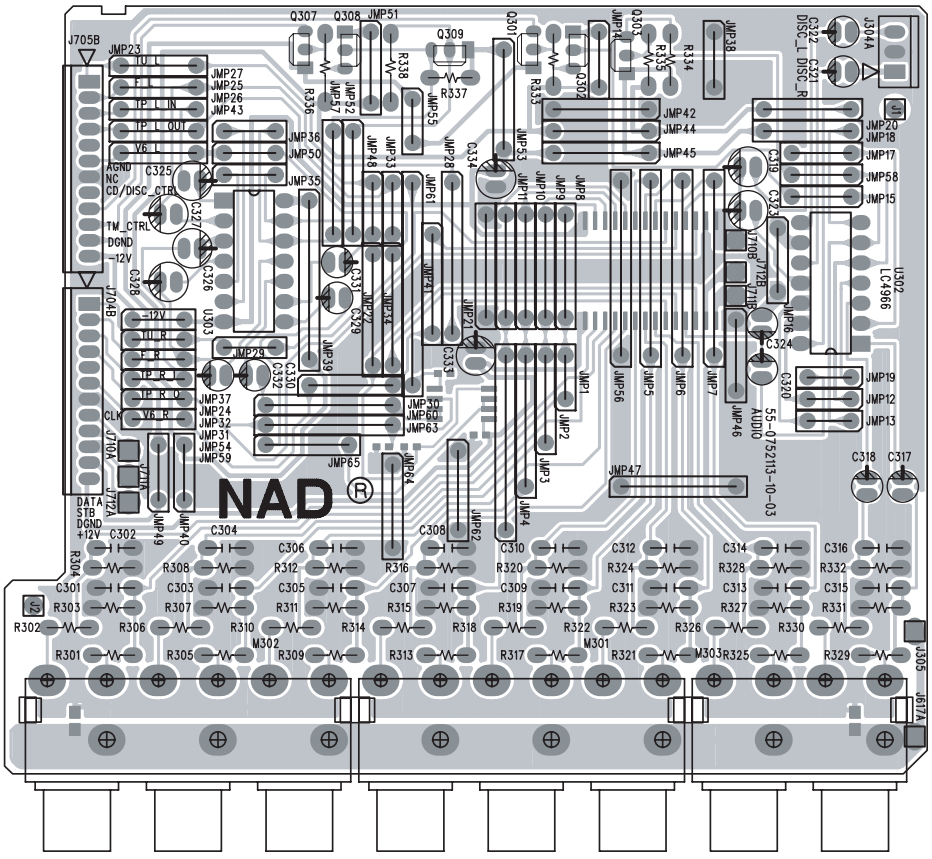


PCB LAYOUT

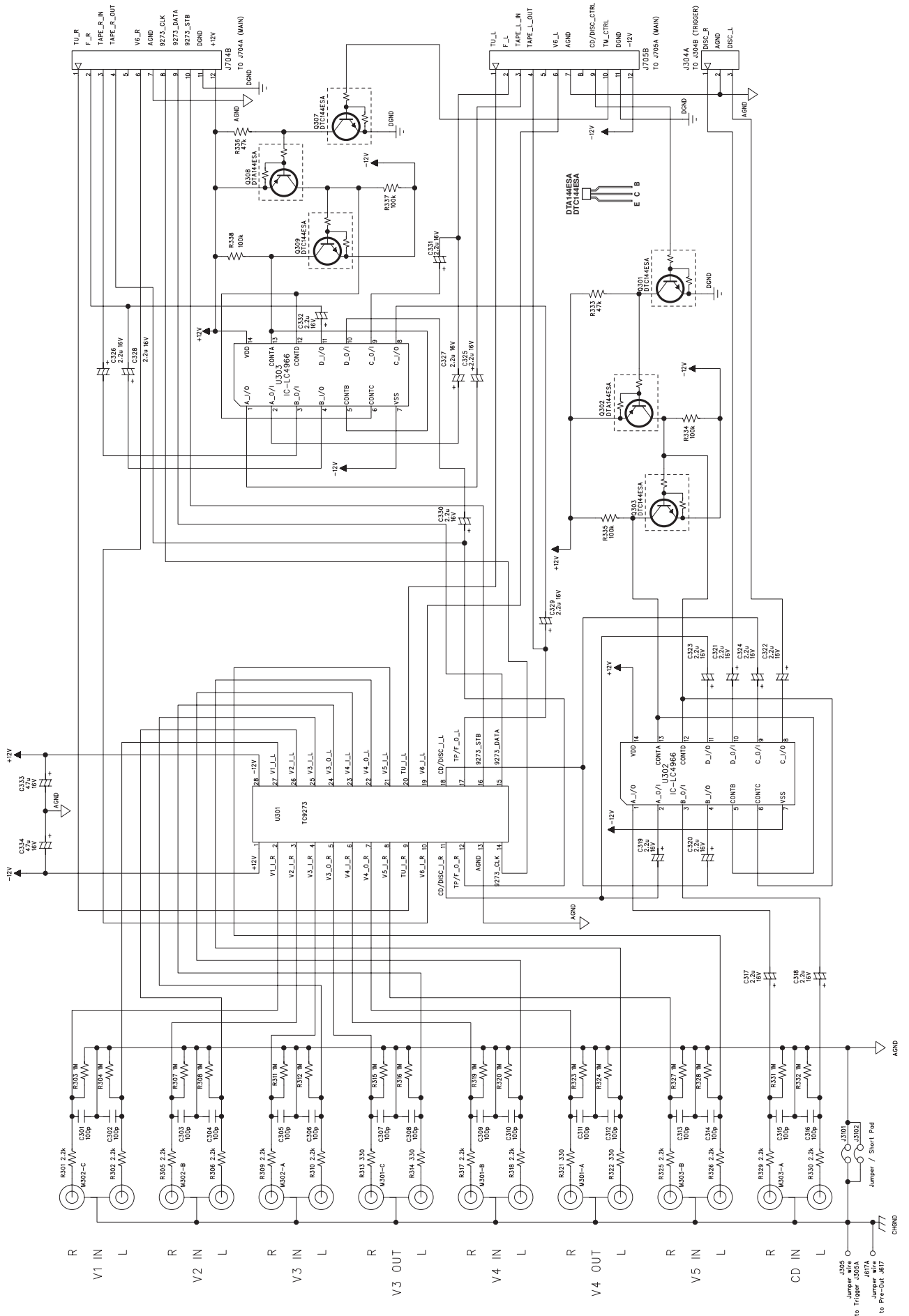
AUDIO BOARD (PN-02)



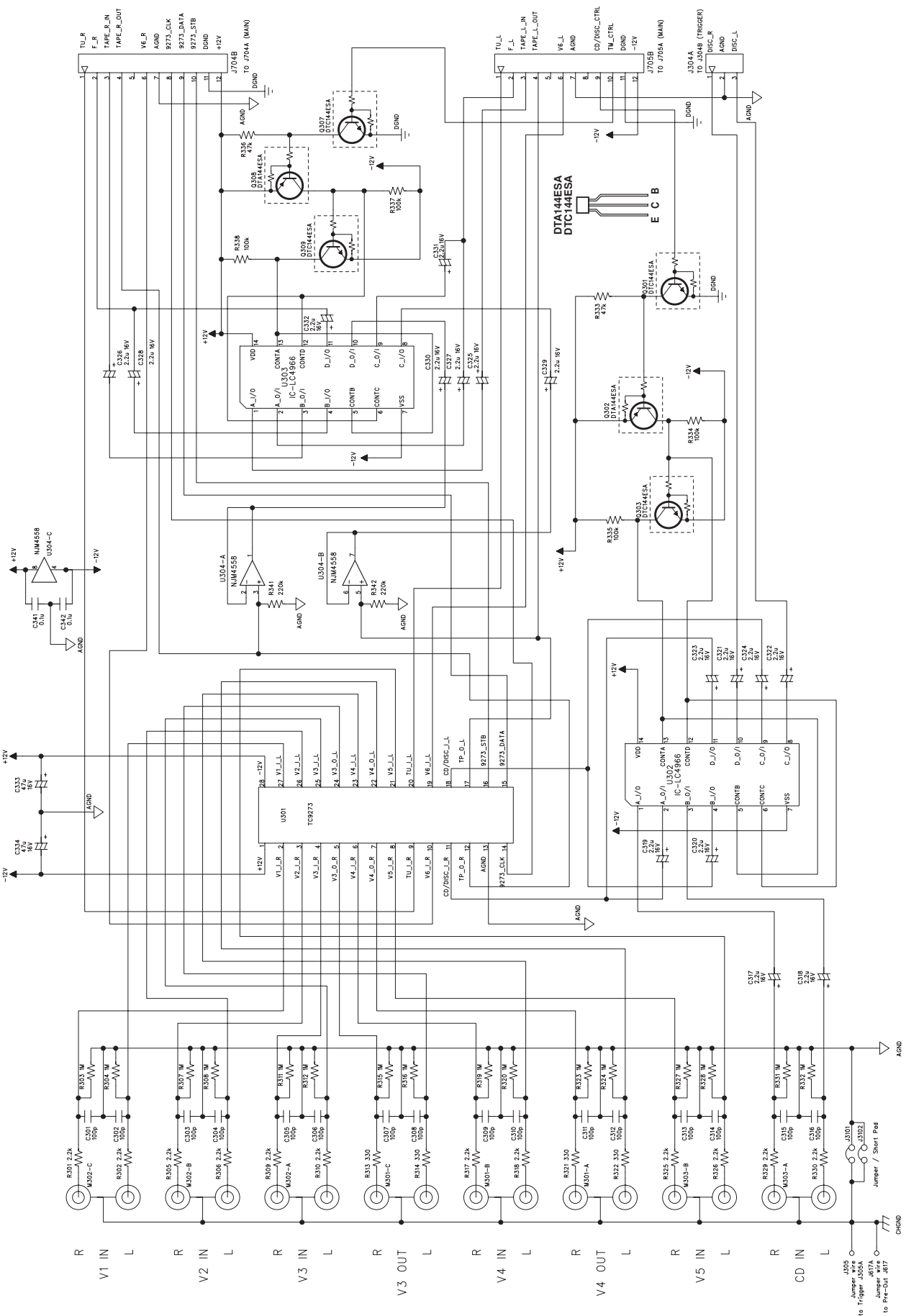
AUDIO BOARD (PN-03)



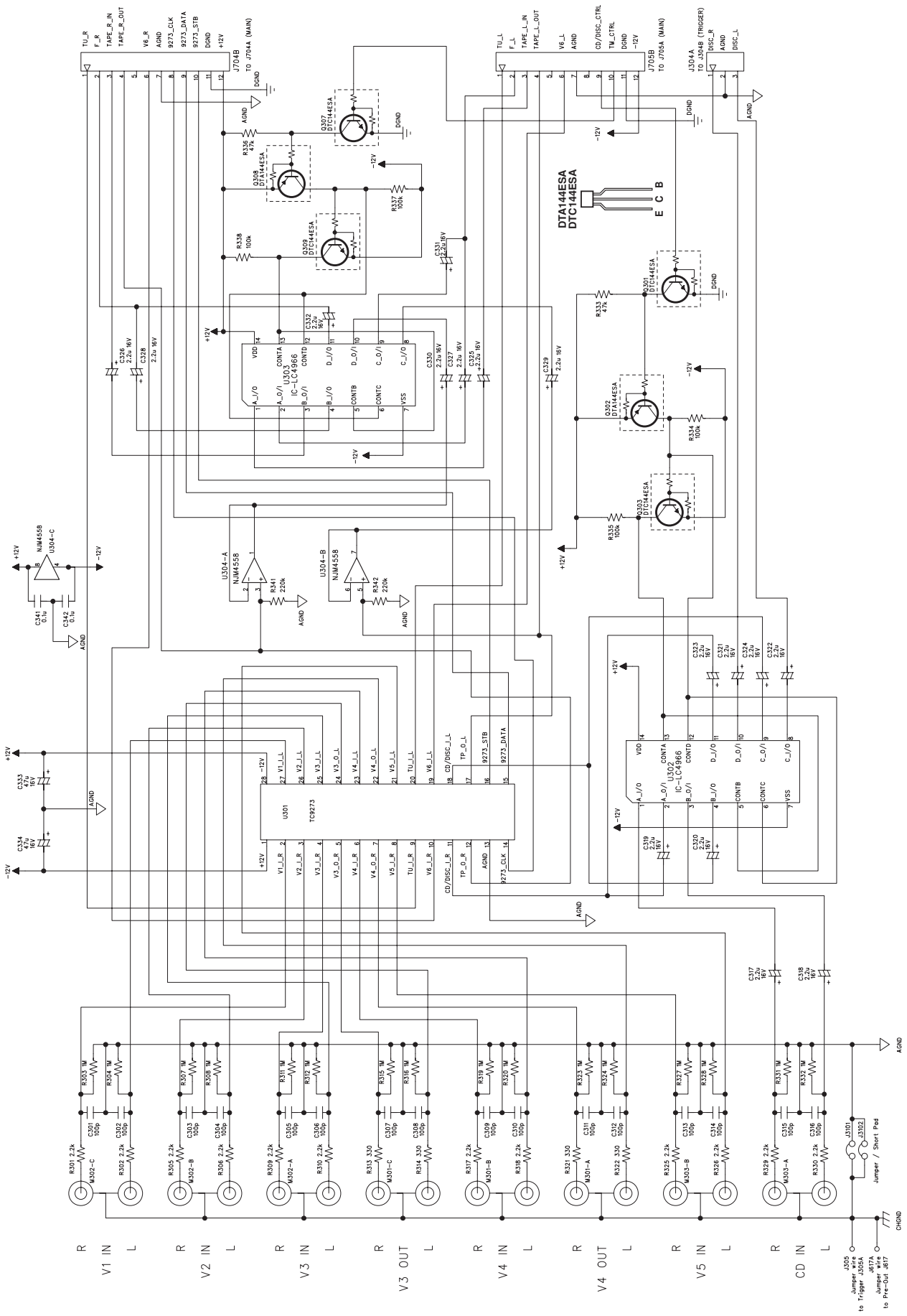
SCHEMATIC DIAGRAM
AUDIO BOARD (ISSUE 6)



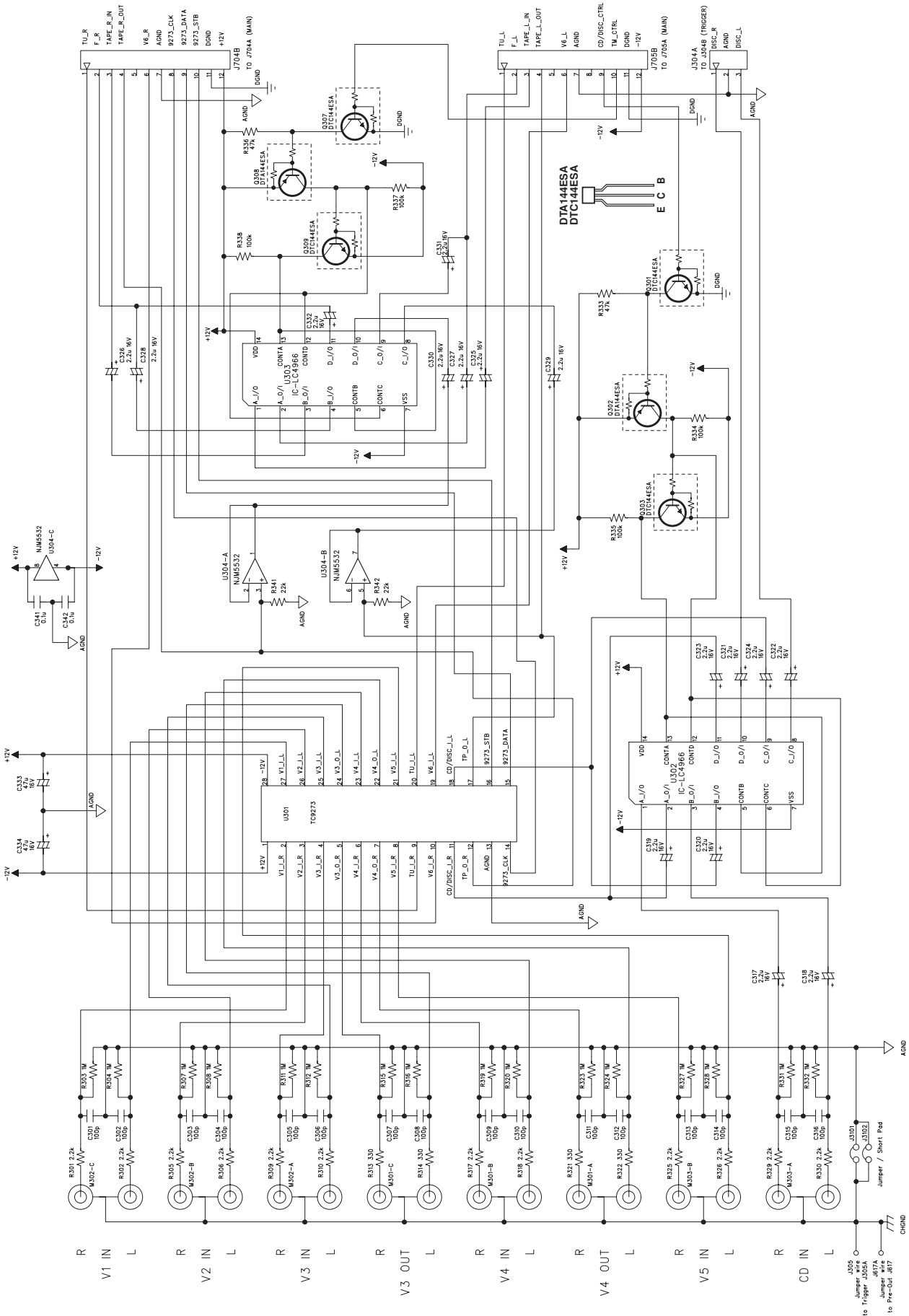
SCHEMATIC DIAGRAM
AUDIO BOARD (ISSUE 7)



SCHEMATIC DIAGRAM
AUDIO BOARD (ISSUE 8)



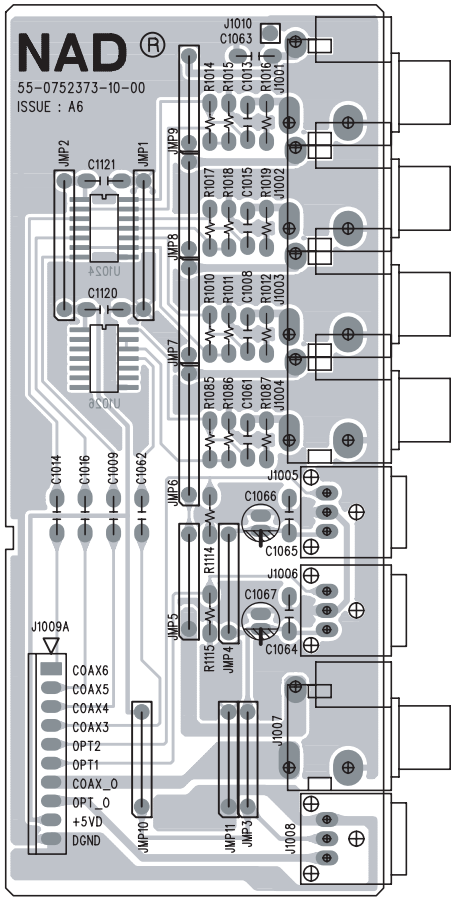
SCHEMATIC DIAGRAM
AUDIO BOARD (PN-01 - PN-03)



VERSION HISTORY
DIGITAL IN / OUT BOARD

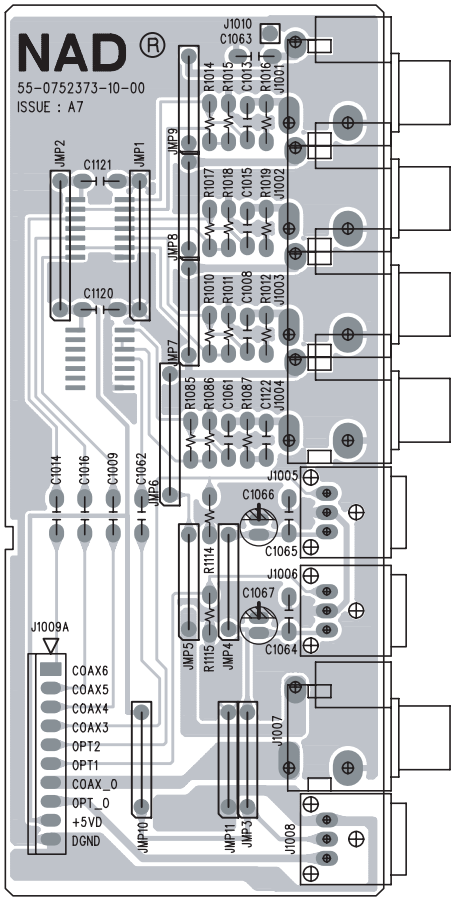
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	DIGITAL I/O BOARD : 55-0752373-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	DIGITAL I/O BOARD : 55-0752373-10-00 A7	• Add resistor of DIGITAL IN 4	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	AUDIO BOARD : 55-0752373-10-00 A8	• No layout change	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01 **PN-02**	AUDIO BOARD : 55-0752373-10-01 AUDIO BOARD : 55-075373-10-02	• No layout change • No layout change	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

PCB LAYOUT
DIGITAL IN / OUT BOARD (ISSUE 6)

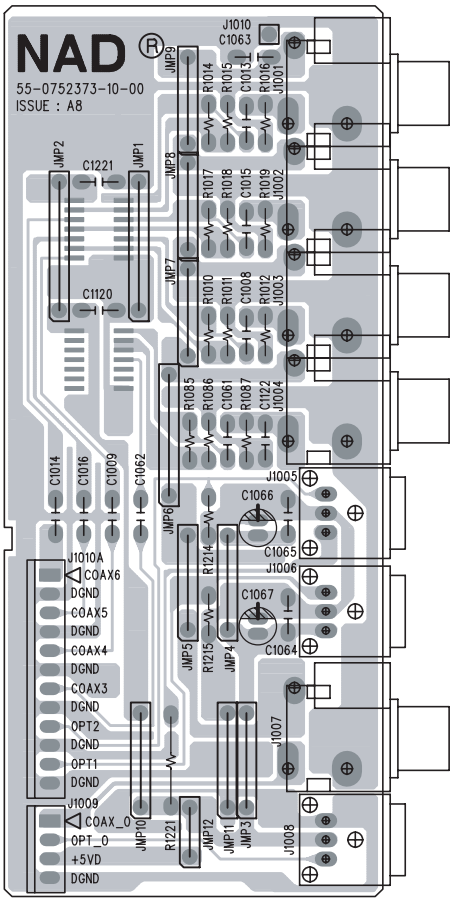


PCB LAYOUT

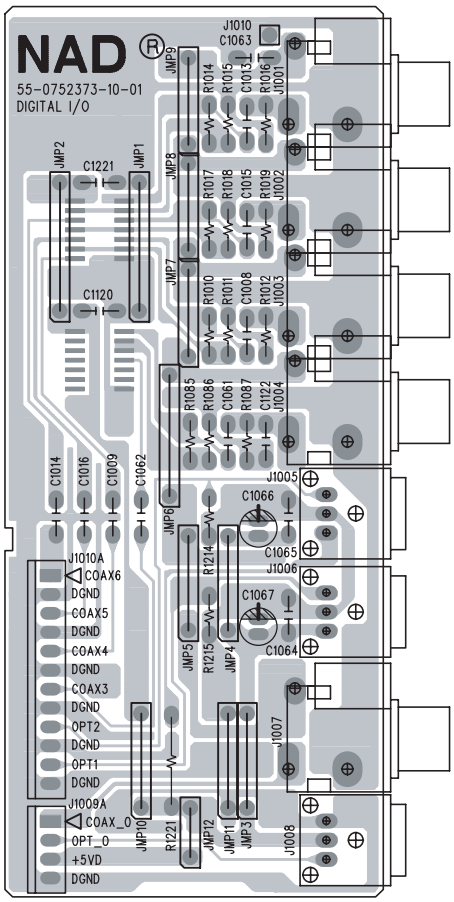
DIGITAL IN / OUT BOARD (ISSUE 7)



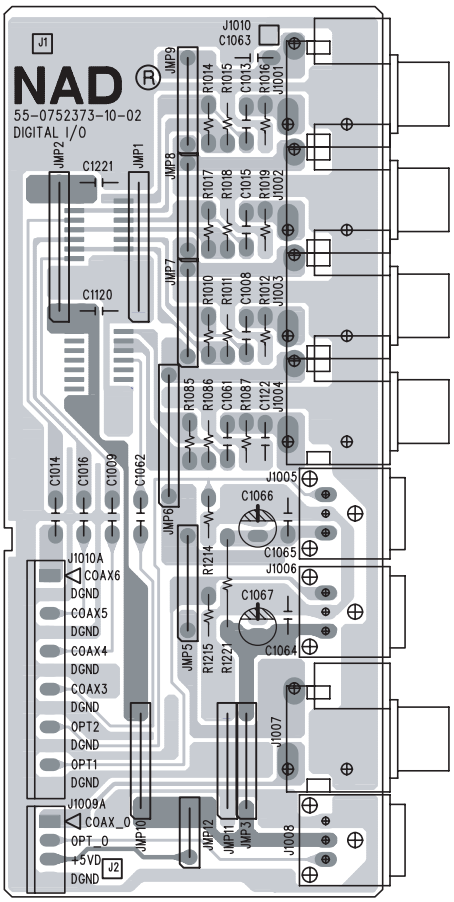
DIGITAL IN / OUT BOARD (ISSUE 8)



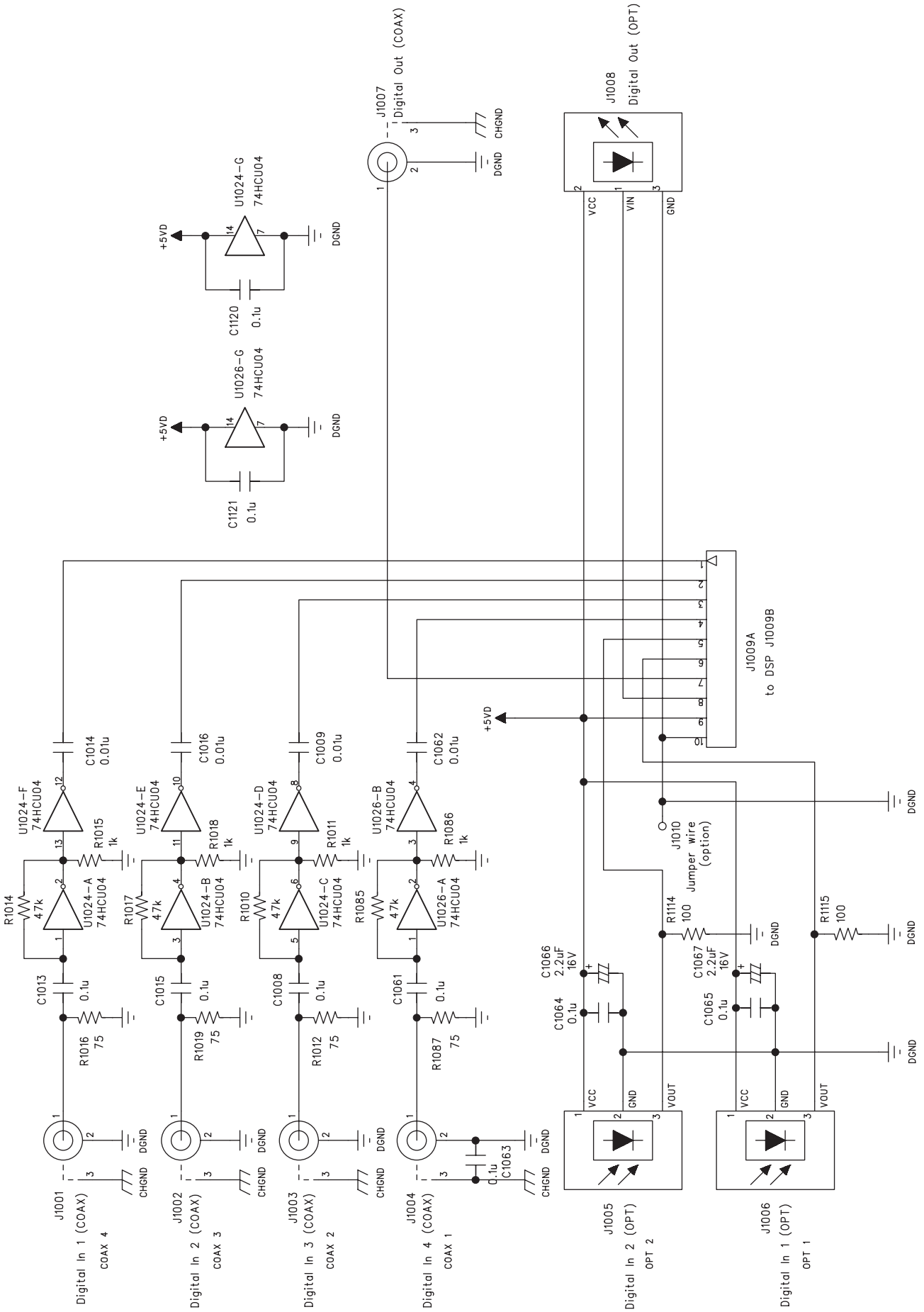
DIGITAL IN / OUT BOARD (PN-01)



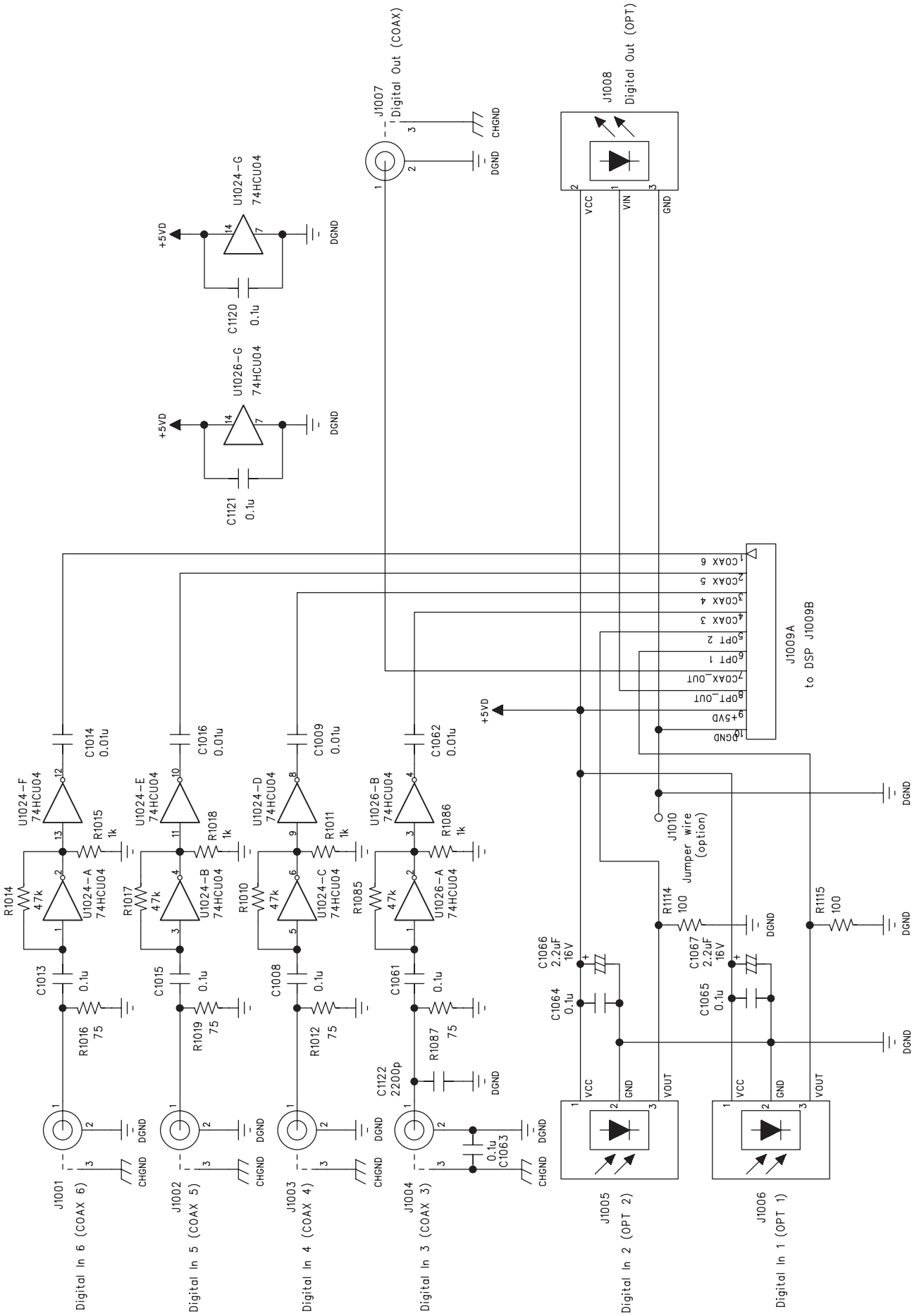
DIGITAL IN / OUT BOARD (PN-02)



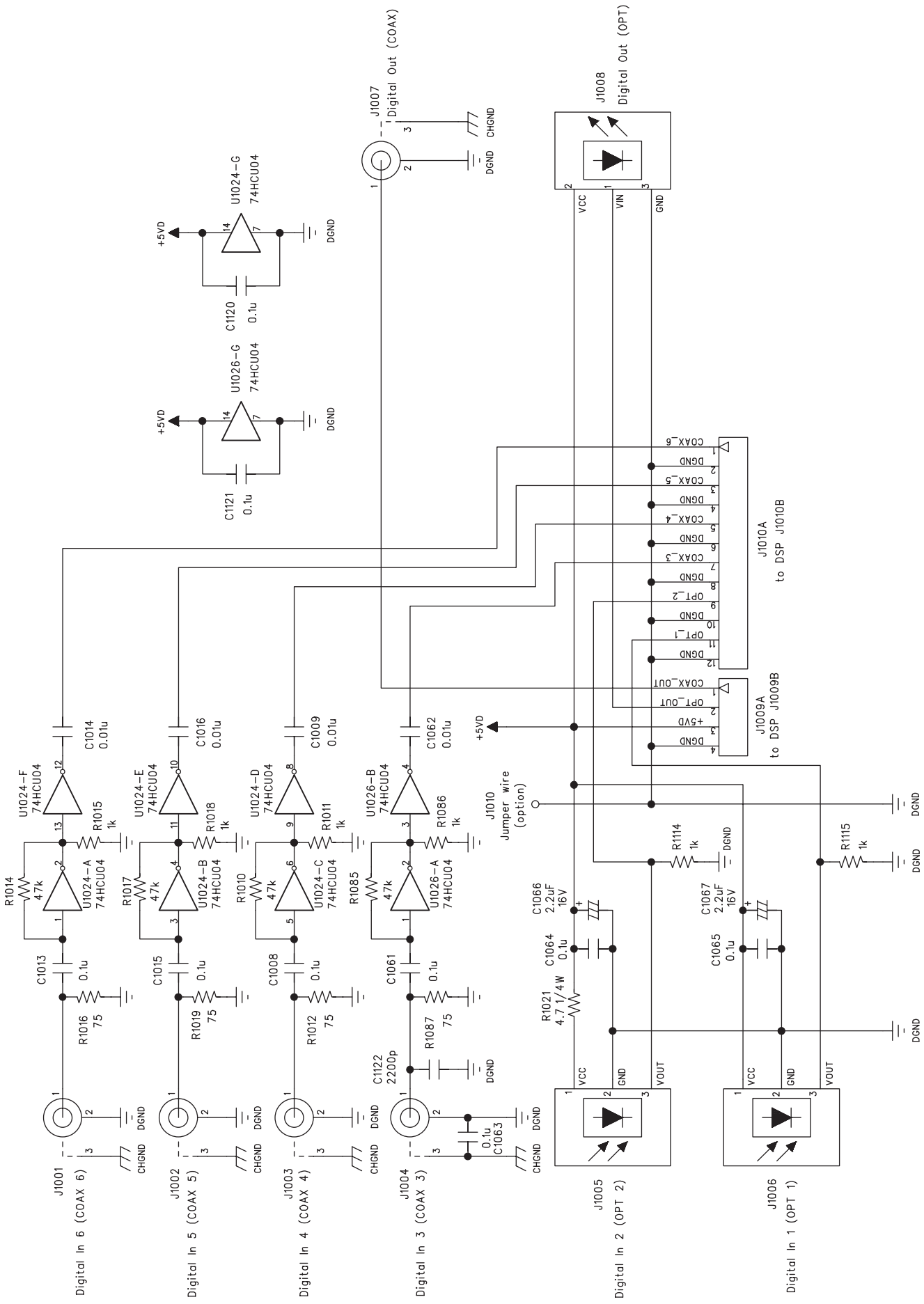
SCHEMATIC DIAGRAM
DIGITAL IN / OUT BOARD (ISSUE 6)



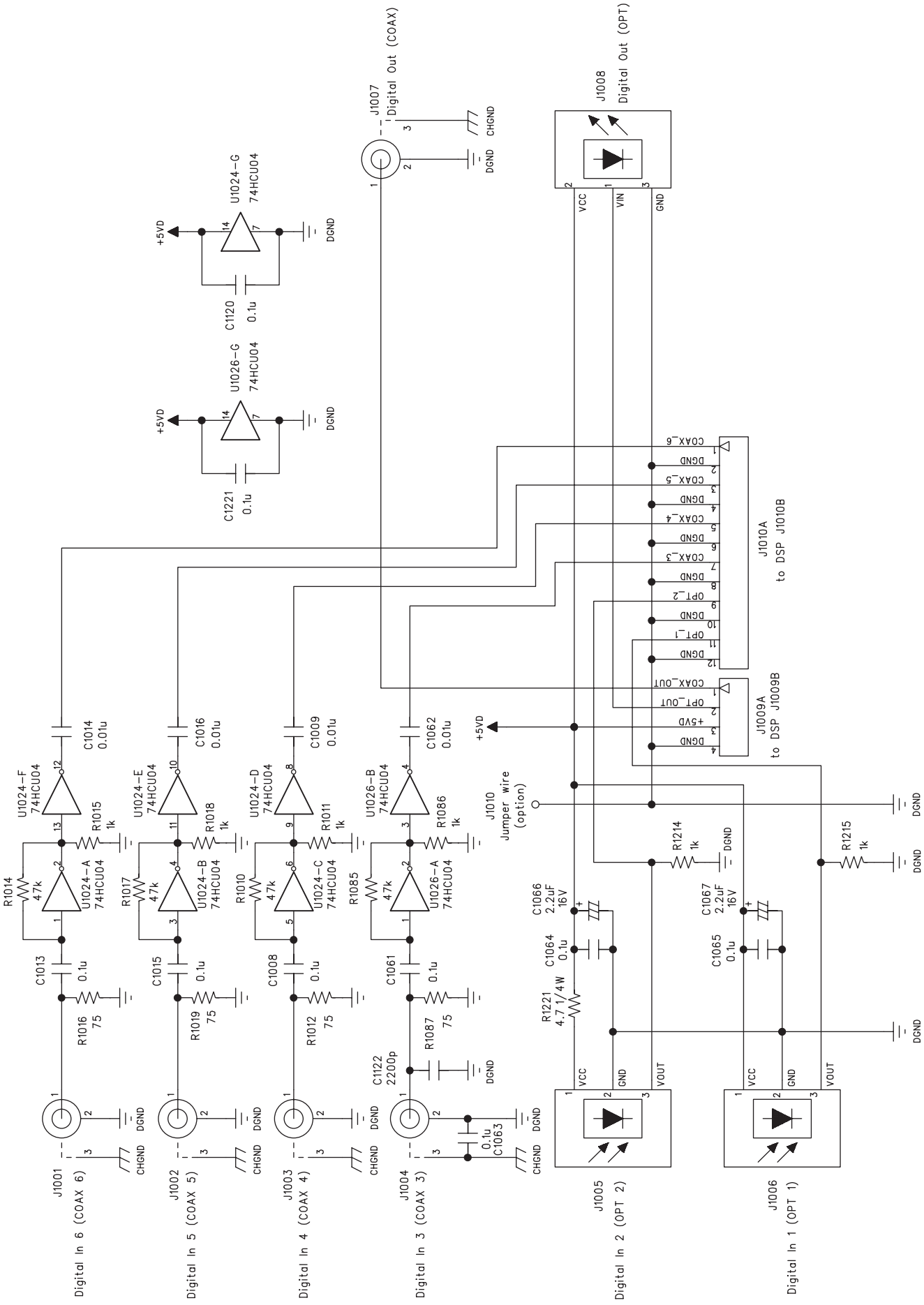
SCHEMATIC DIAGRAM
DIGITAL IN / OUT BOARD (ISSUE 7)



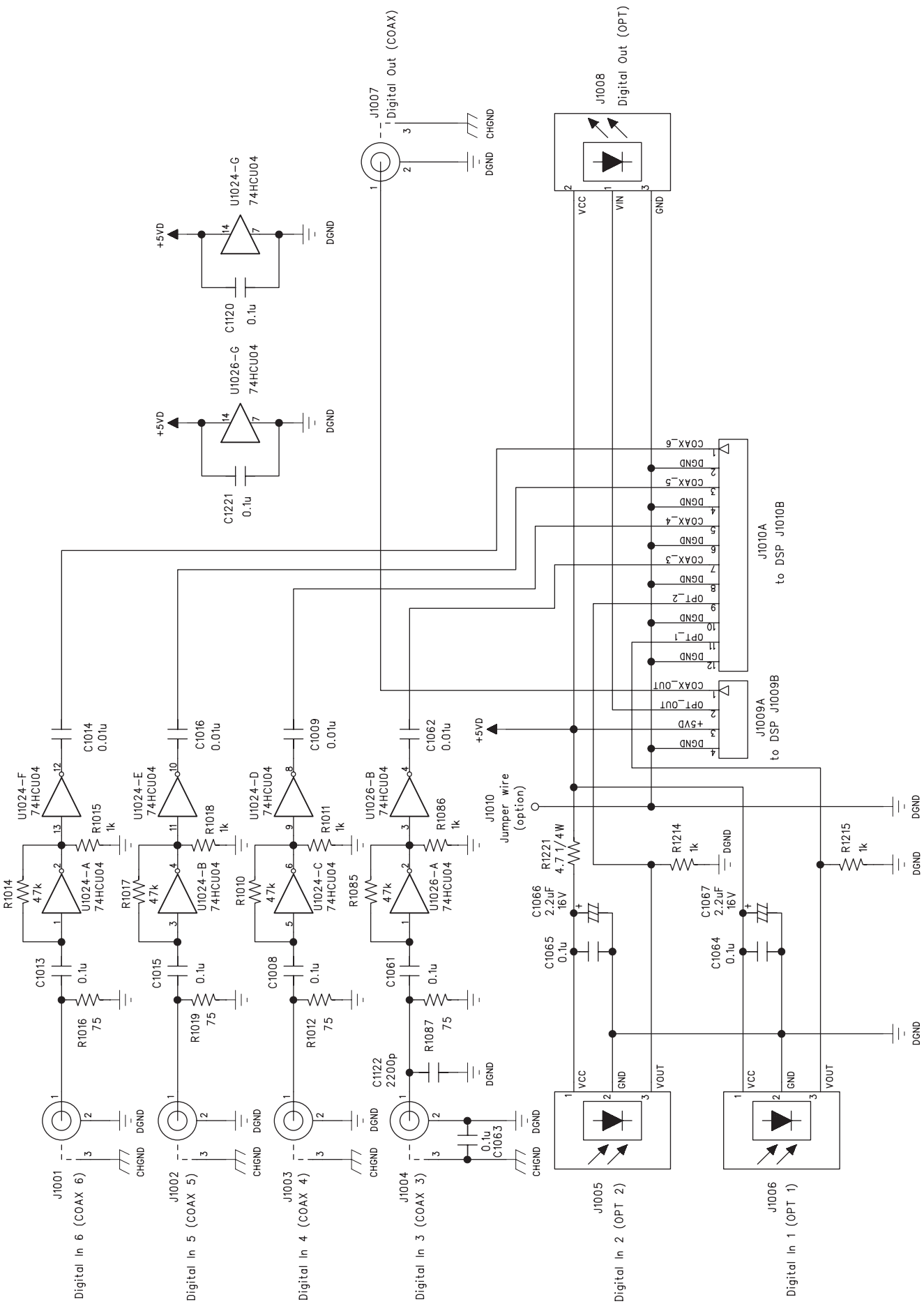
PCB LAYOUT
DIGITAL IN / OUT BOARD (ISSUE 8)



PCB LAYOUT
DIGITAL IN / OUT BOARD (PN-01)



PCB LAYOUT
DIGITAL IN / OUT BOARD (PN-02)

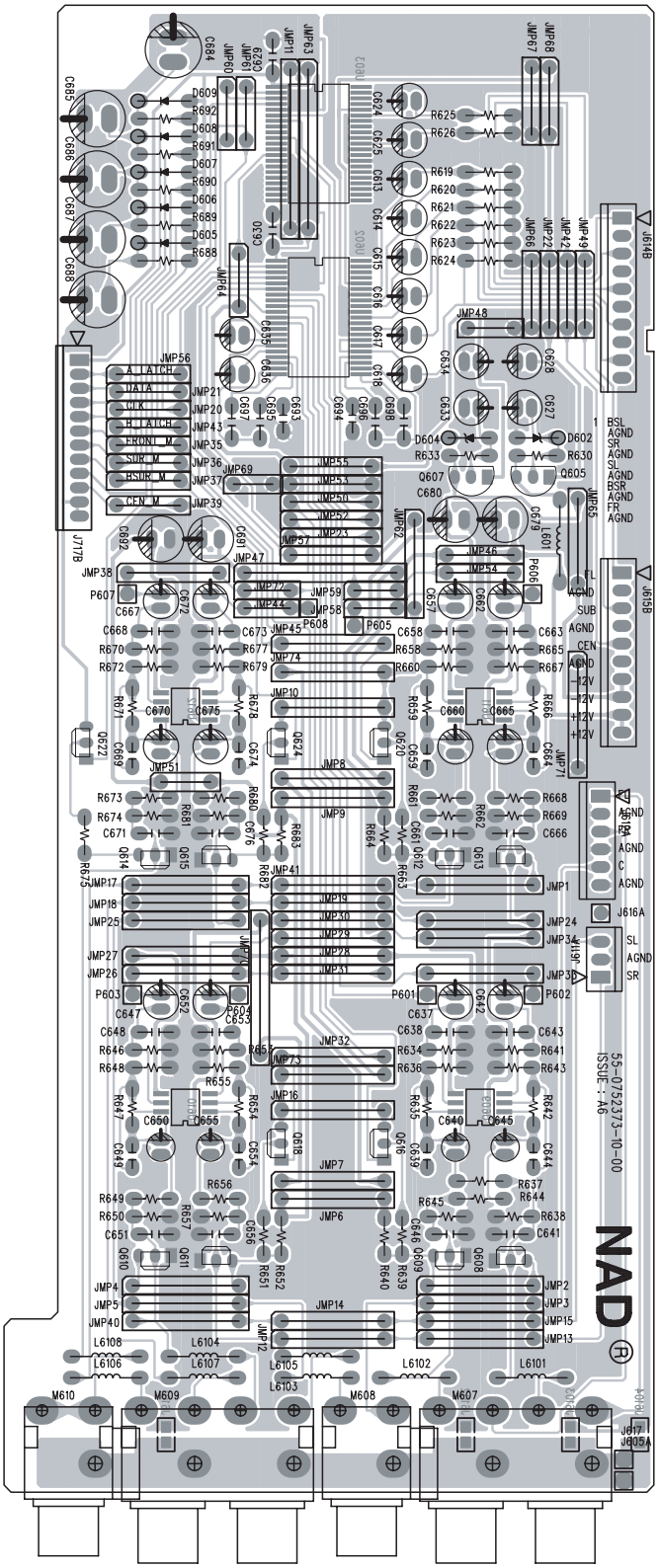


VERSION HISTORY
PRE-OUT BOARD

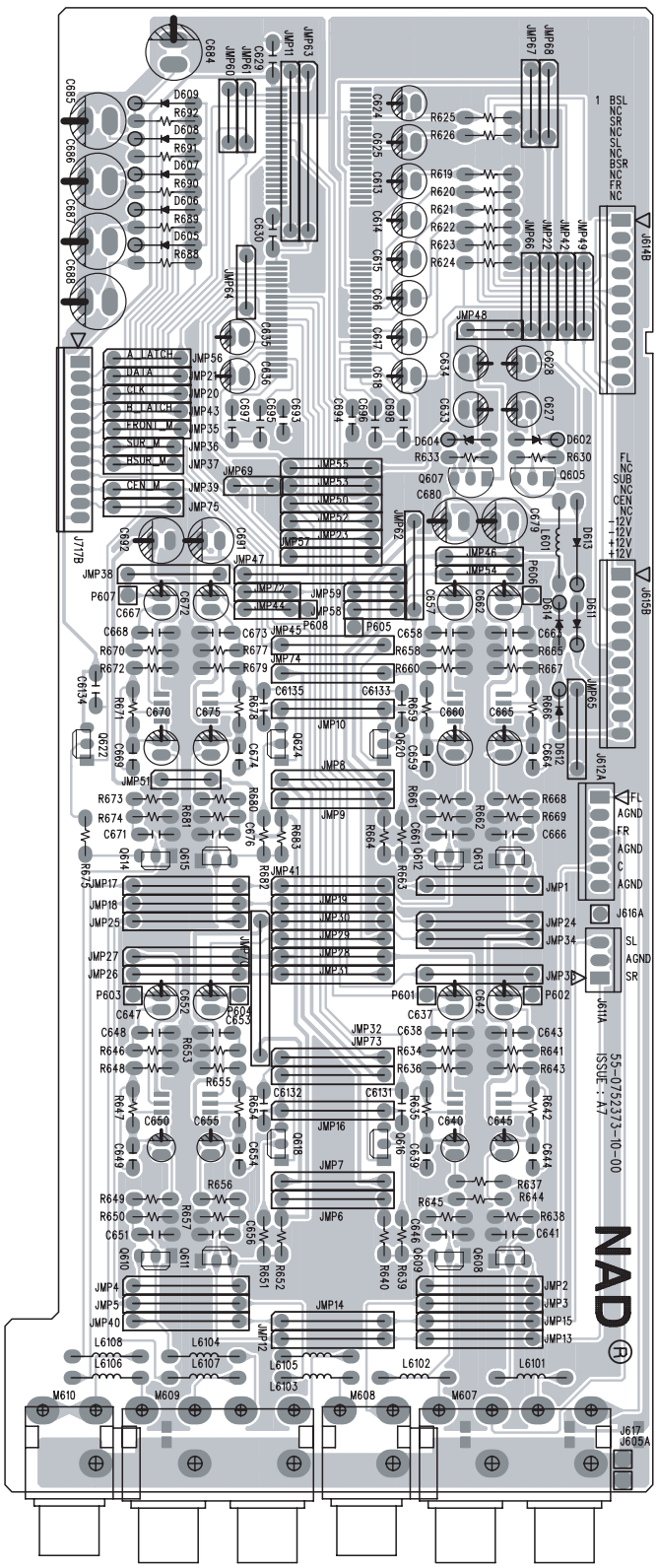
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	PRE-OUT BOARD : 55-0752373-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	PRE-OUT BOARD : 55-0752373-10-00 A7	• Add Diode on +12V • Add Diode on -12V	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	PRE-OUT BOARD : 55-0752373-10-00 A8	• No layout change	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01 **PN-02**	PRE-OUT BOARD : 55-0752373-10-01 PRE-OUT BOARD : 55-0752373-10-02	• No layout change • Add supply C.Cap C761, C762	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

PCB LAYOUT

PRE-OUT BOARD (ISSUE 6)

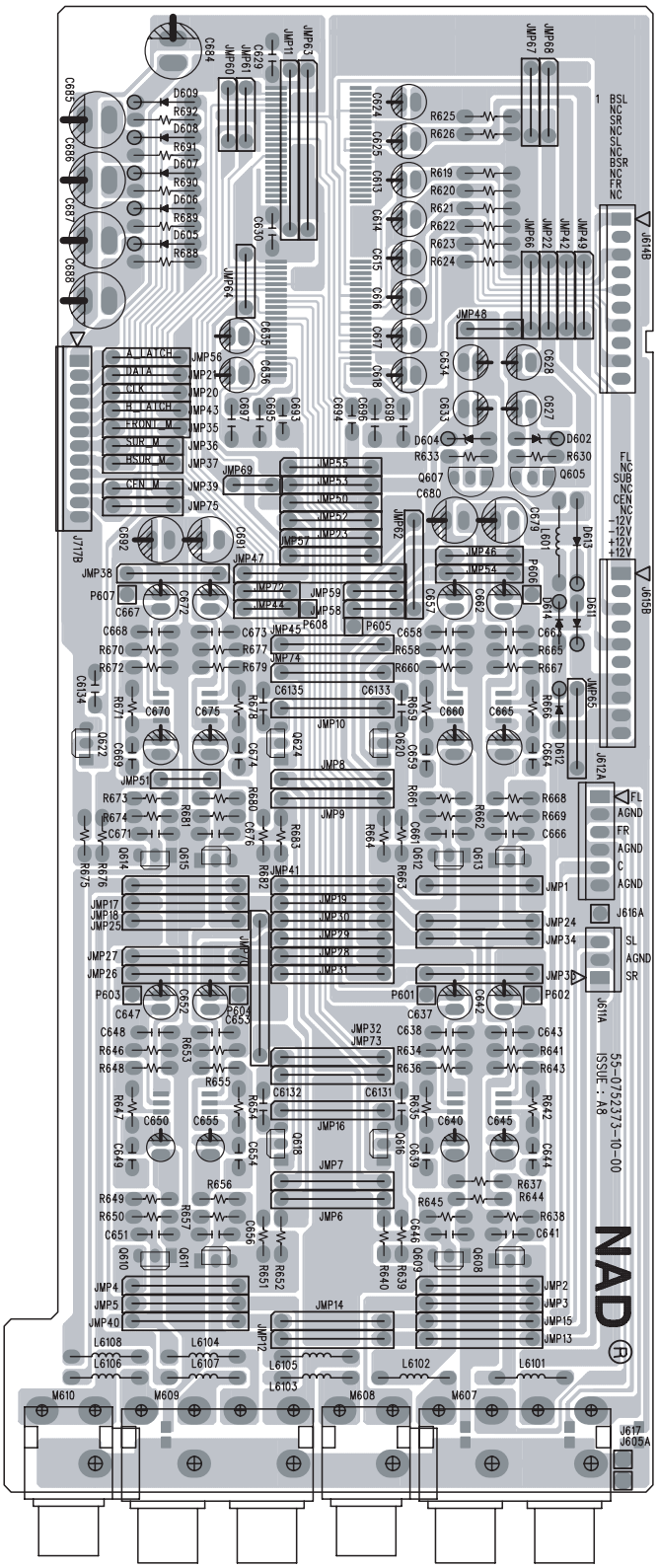


PRE-OUT BOARD (ISSUE 7)

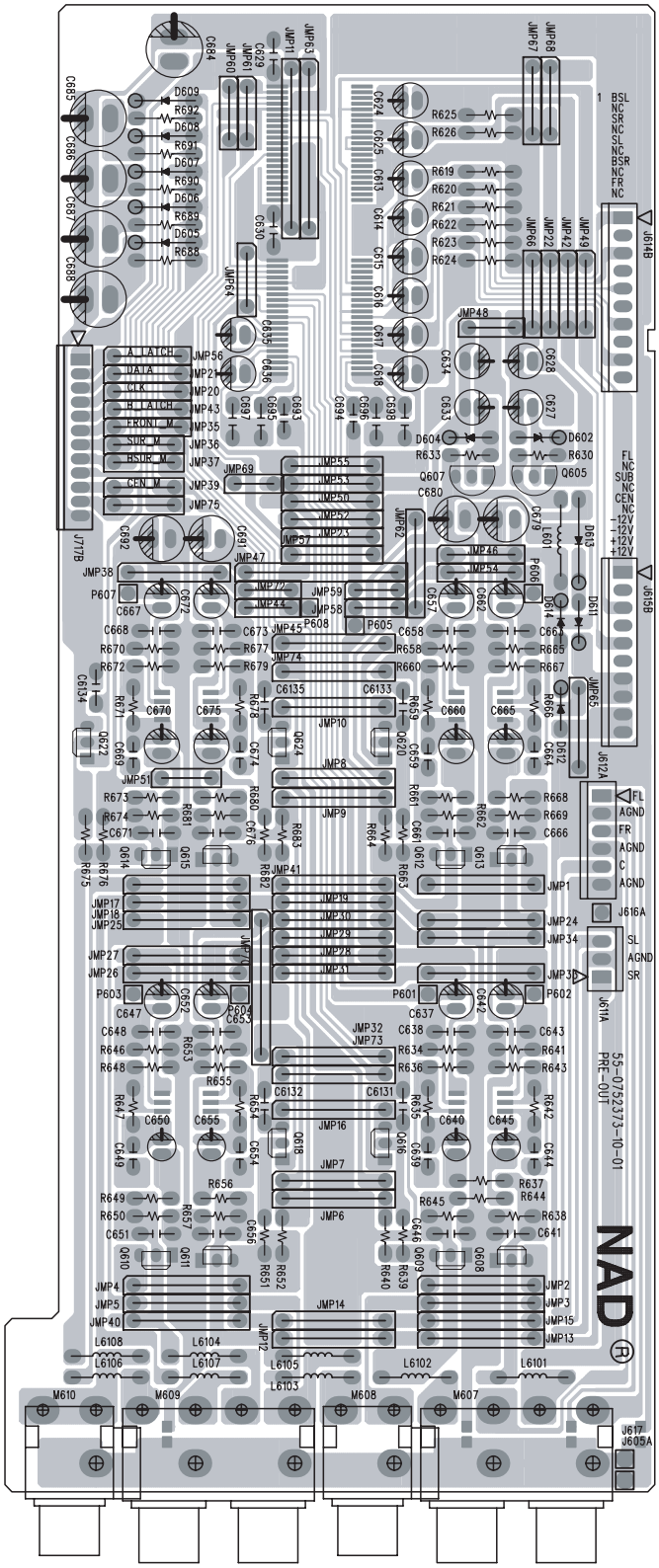


PCB LAYOUT

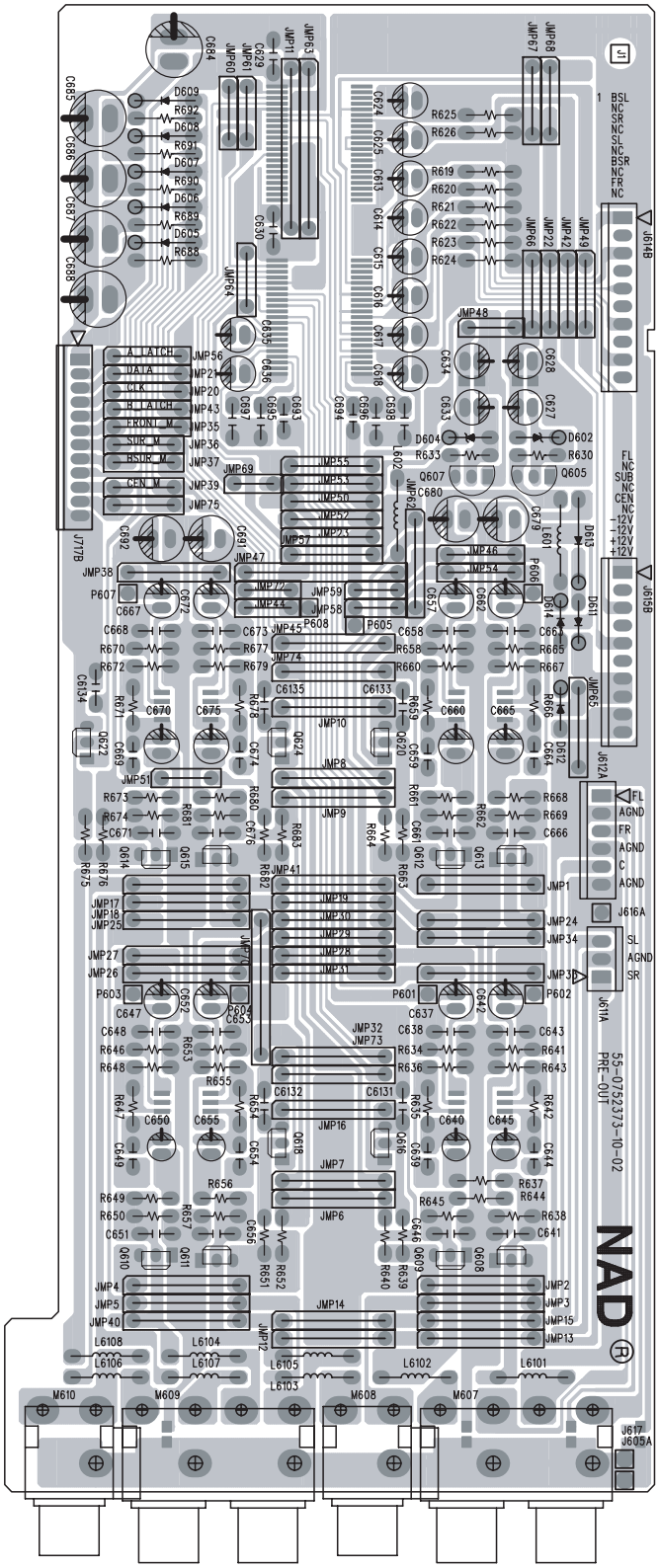
PRE-OUT BOARD (ISSUE 8)



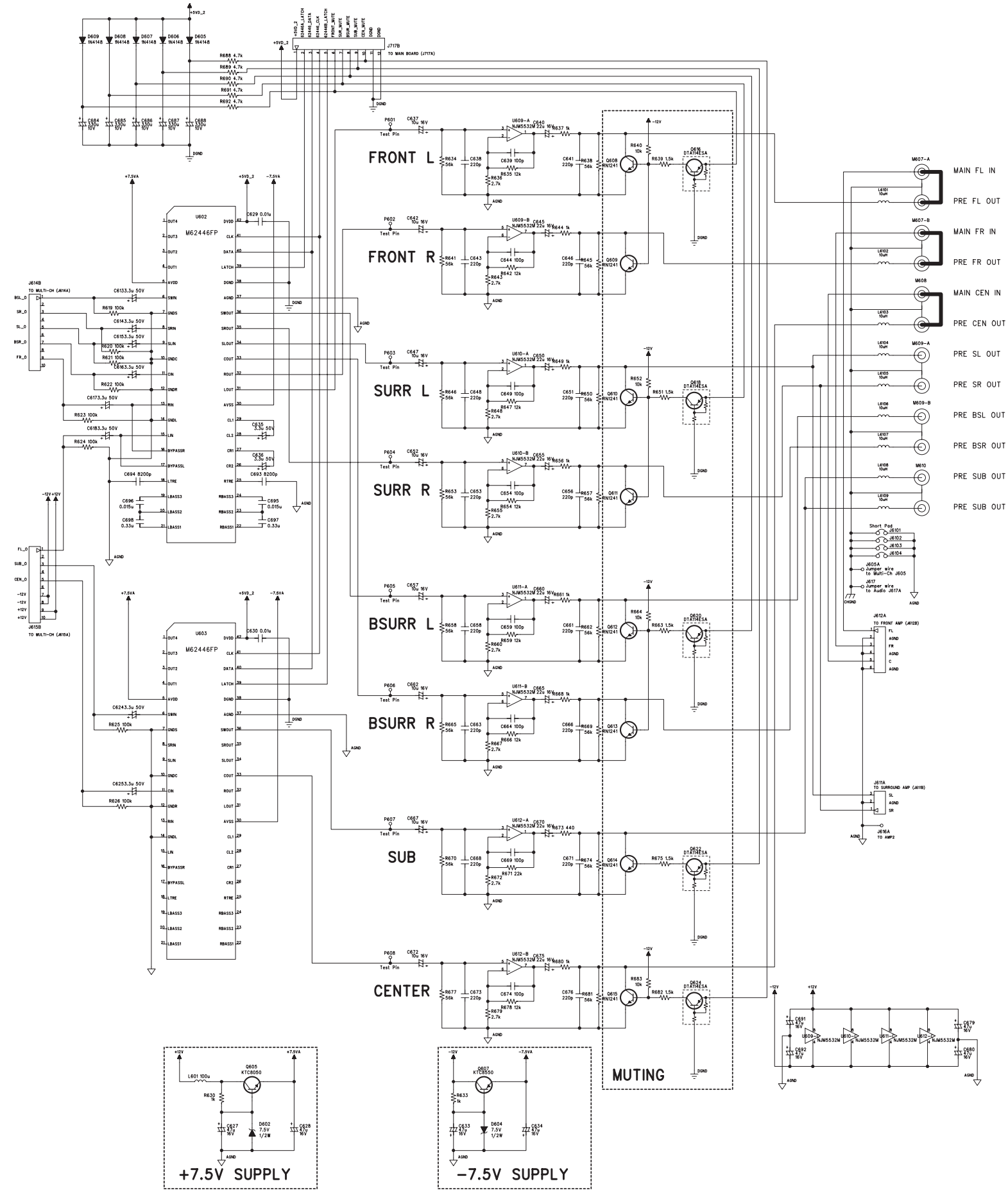
PRE-OUT BOARD (PN-01)



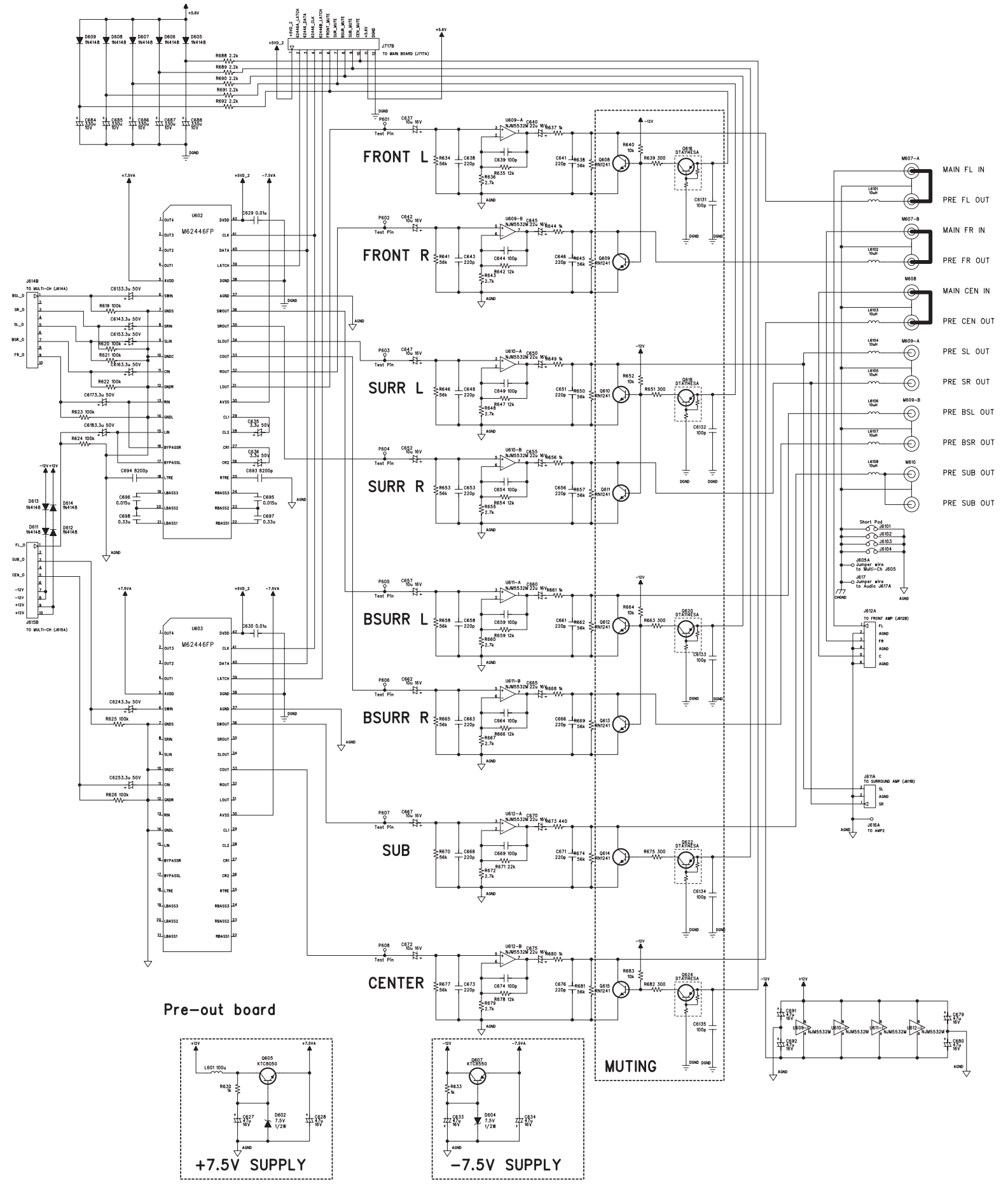
PCB LAYOUT
PRE-OUT BOARD (PN-02)



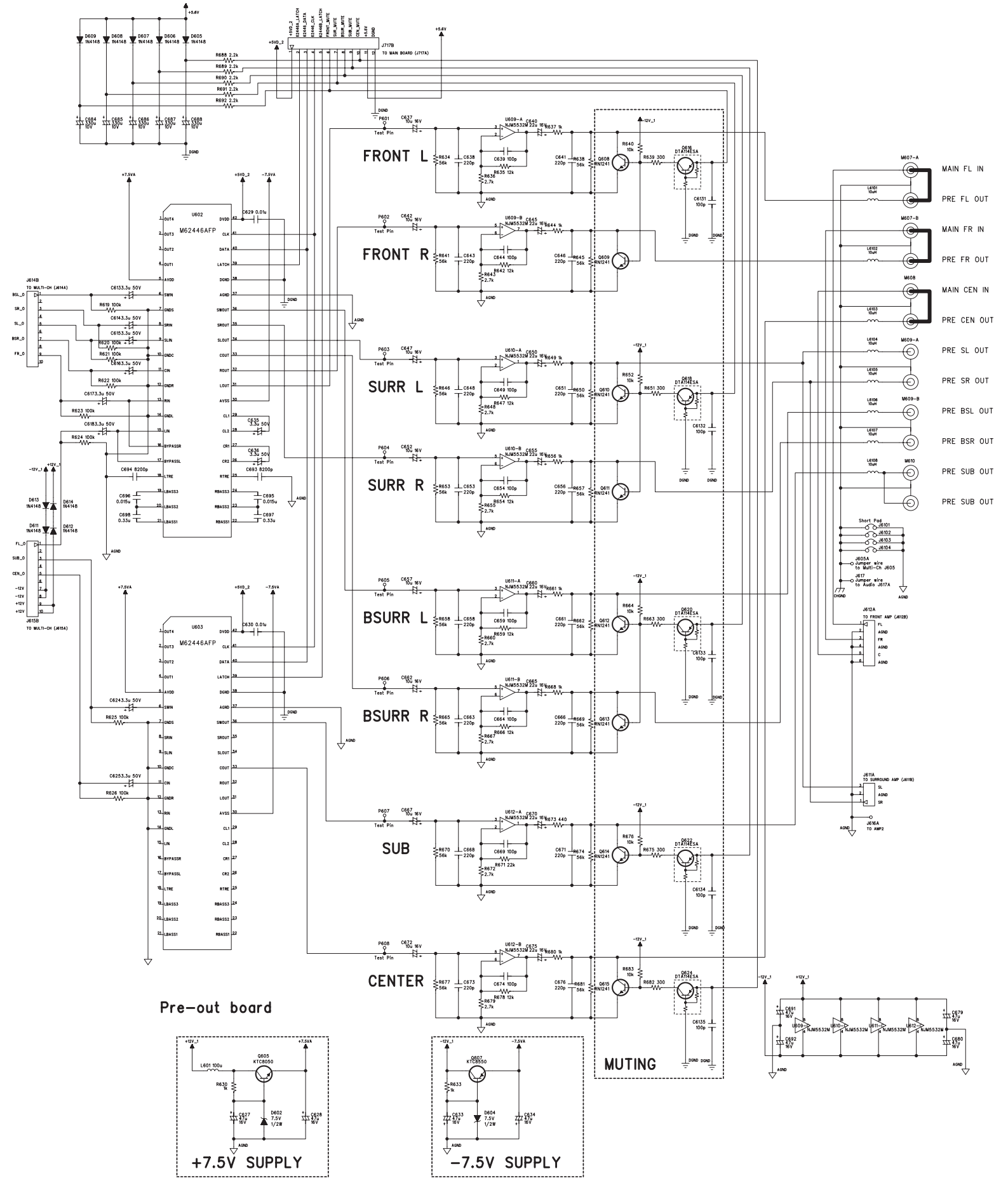
SCHEMATIC DIAGRAM
PRE-OUT BOARD (ISSUE 6)



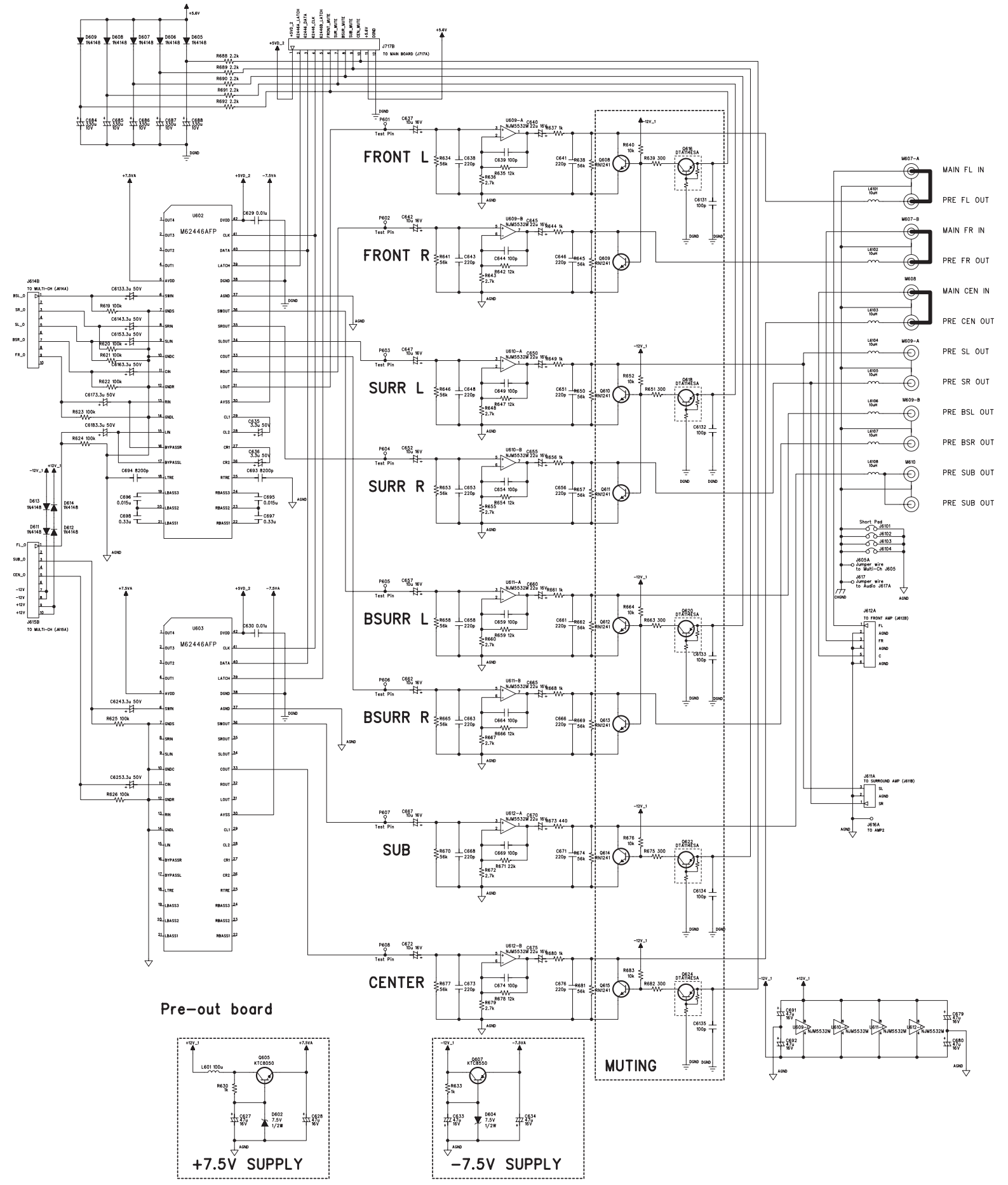
SCHEMATIC DIAGRAM
PRE-OUT BOARD (ISSUE 7)



SCHEMATIC DIAGRAM
PRE-OUT BOARD (ISSUE 8)



SCHEMATIC DIAGRAM
PRE-OUT BOARD (PN-01)



SCHEMATIC DIAGRAM
PRE-OUT BOARD (PN-02)